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1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limt (dBm)	Verdict
n38	30	10	515000	1@1	DFT_BPSK	22.9	-2.4	20.50	33.01	PASS
n38	30	10	515000	24@0	DFT_QPSK	21.92	-2.4	19.52	33.01	PASS
n38	30	10	515000	12@6	DFT_QPSK	22.9	-2.4	20.50	33.01	PASS
n38	30	10	515000	1@1	DFT_QPSK	22.82	-2.4	20.42	33.01	PASS
n38	30	10	515000	1@22	DFT_QPSK	22.84	-2.4	20.44	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM16	21.89	-2.4	19.49	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM64	20.63	-2.4	18.23	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM256	18.58	-2.4	16.18	33.01	PASS
n38	30	10	515000	1@1	CP_QPSK	22.32	-2.4	19.92	33.01	PASS
n38	30	10	519000	1@1	DFT_BPSK	22.83	-2.4	20.43	33.01	PASS
n38	30	10	519000	24@0	DFT_QPSK	21.71	-2.4	19.31	33.01	PASS
n38	30	10	519000	12@6	DFT_QPSK	22.81	-2.4	20.41	33.01	PASS
n38	30	10	519000	1@1	DFT_QPSK	22.76	-2.4	20.36	33.01	PASS
n38	30	10	519000	1@22	DFT_QPSK	22.81	-2.4	20.41	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM16	21.85	-2.4	19.45	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM64	20.21	-2.4	17.81	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM256	18.13	-2.4	15.73	33.01	PASS
n38	30	10	519000	1@1	CP_QPSK	21.44	-2.4	19.04	33.01	PASS
n38	30	10	523000	1@1	DFT_BPSK	22.86	-2.4	20.46	33.01	PASS
n38	30	10	523000	24@0	DFT_QPSK	21.81	-2.4	19.41	33.01	PASS
n38	30	10	523000	12@6	DFT_QPSK	22.81	-2.4	20.41	33.01	PASS
n38	30	10	523000	1@1	DFT_QPSK	22.69	-2.4	20.29	33.01	PASS
n38	30	10	523000	1@22	DFT_QPSK	22.8	-2.4	20.40	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM16	21.9	-2.4	19.50	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM64	20.14	-2.4	17.74	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM256	18.27	-2.4	15.87	33.01	PASS
n38	30	10	523000	1@1	CP_QPSK	21.42	-2.4	19.02	33.01	PASS
n38	30	15	515500	1@1	DFT_BPSK	22.92	-2.4	20.52	33.01	PASS
n38	30	15	515500	36@0	DFT_QPSK	21.86	-2.4	19.46	33.01	PASS
n38	30	15	515500	18@9	DFT_QPSK	22.8	-2.4	20.40	33.01	PASS
n38	30	15	515500	1@1	DFT_QPSK	22.84	-2.4	20.44	33.01	PASS
n38	30	15	515500	1@36	DFT_QPSK	22.73	-2.4	20.33	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM16	21.5	-2.4	19.10	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM64	20.02	-2.4	17.62	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM256	17.8	-2.4	15.40	33.01	PASS
n38	30	15	515500	1@1	CP_QPSK	21.54	-2.4	19.14	33.01	PASS
n38	30	15	519000	1@1	DFT_BPSK	22.72	-2.4	20.32	33.01	PASS

n38	30	15	519000	36@0	DFT_QPSK	21.76	-2.4	19.36	33.01	PASS
n38	30	15	519000	18@9	DFT_QPSK	22.71	-2.4	20.31	33.01	PASS
n38	30	15	519000	1@1	DFT_QPSK	22.8	-2.4	20.40	33.01	PASS
n38	30	15	519000	1@36	DFT_QPSK	22.97	-2.4	20.57	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM16	21.61	-2.4	19.21	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM64	20.34	-2.4	17.94	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM256	18.2	-2.4	15.80	33.01	PASS
n38	30	15	519000	1@1	CP_QPSK	21.3	-2.4	18.90	33.01	PASS
n38	30	15	522500	1@1	DFT_BPSK	22.62	-2.4	20.22	33.01	PASS
n38	30	15	522500	36@0	DFT_QPSK	21.84	-2.4	19.44	33.01	PASS
n38	30	15	522500	18@9	DFT_QPSK	22.76	-2.4	20.36	33.01	PASS
n38	30	15	522500	1@1	DFT_QPSK	22.77	-2.4	20.37	33.01	PASS
n38	30	15	522500	1@36	DFT_QPSK	22.81	-2.4	20.41	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM16	21.83	-2.4	19.43	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM64	20.36	-2.4	17.96	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM256	18.27	-2.4	15.87	33.01	PASS
n38	30	15	522500	1@1	CP_QPSK	21.78	-2.4	19.38	33.01	PASS
n38	30	20	516000	1@1	DFT_BPSK	22.82	-2.4	20.42	33.01	PASS
n38	30	20	516000	50@0	DFT_QPSK	21.83	-2.4	19.43	33.01	PASS
n38	30	20	516000	25@12	DFT_QPSK	22.82	-2.4	20.42	33.01	PASS
n38	30	20	516000	1@1	DFT_QPSK	22.75	-2.4	20.35	33.01	PASS
n38	30	20	516000	1@49	DFT_QPSK	22.7	-2.4	20.30	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM16	22.27	-2.4	19.87	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM64	20.1	-2.4	17.70	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM256	18.26	-2.4	15.86	33.01	PASS
n38	30	20	516000	1@1	CP_QPSK	21.08	-2.4	18.68	33.01	PASS
n38	30	20	519000	1@1	DFT_BPSK	22.72	-2.4	20.32	33.01	PASS
n38	30	20	519000	50@0	DFT_QPSK	21.7	-2.4	19.30	33.01	PASS
n38	30	20	519000	25@12	DFT_QPSK	22.71	-2.4	20.31	33.01	PASS
n38	30	20	519000	1@1	DFT_QPSK	22.74	-2.4	20.34	33.01	PASS
n38	30	20	519000	1@49	DFT_QPSK	22.82	-2.4	20.42	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM16	20.69	-2.4	18.29	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM64	20.08	-2.4	17.68	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM256	18.02	-2.4	15.62	33.01	PASS
n38	30	20	519000	1@1	CP_QPSK	20.98	-2.4	18.58	33.01	PASS
n38	30	20	522000	1@1	DFT_BPSK	22.7	-2.4	20.30	33.01	PASS
n38	30	20	522000	50@0	DFT_QPSK	21.81	-2.4	19.41	33.01	PASS
n38	30	20	522000	25@12	DFT_QPSK	22.85	-2.4	20.45	33.01	PASS
n38	30	20	522000	1@1	DFT_QPSK	22.75	-2.4	20.35	33.01	PASS
n38	30	20	522000	1@49	DFT_QPSK	22.77	-2.4	20.37	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM16	21.79	-2.4	19.39	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM64	20.41	-2.4	18.01	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM256	18.21	-2.4	15.81	33.01	PASS
n38	30	20	522000	1@1	CP_QPSK	21.27	-2.4	18.87	33.01	PASS

2 Frequency stability for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n38	30	10	515000	12@6	DFT_BPSK	-2.93	-0.00114	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_BPSK	7.44	0.00289	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_BPSK	-1.27	-0.00049	-2.5	2.5	PASS
n38	30	10	515000	12@6	DFT_QPSK	-9.69	-0.00376	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_QPSK	-8.67	-0.00337	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_QPSK	-7.74	-0.00301	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_BPSK	-14.03	-0.00541	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_BPSK	-16.58	-0.00639	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_BPSK	-7.36	-0.00284	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_QPSK	-5.77	-0.00222	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_QPSK	4.01	0.00155	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_QPSK	-9.65	-0.00372	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_BPSK	-8.47	-0.00324	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_BPSK	-10.21	-0.00390	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_BPSK	-1.09	-0.00042	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_QPSK	13.26	0.00507	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_QPSK	10.58	0.00405	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_QPSK	-22.10	-0.00845	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_BPSK	-15.48	-0.00601	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_BPSK	-27.34	-0.01061	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_BPSK	-9.74	-0.00378	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_QPSK	5.29	0.00205	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_QPSK	0.28	0.00011	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_QPSK	-20.53	-0.00797	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_BPSK	2.87	0.00111	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_BPSK	-4.48	-0.00173	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_BPSK	-10.89	-0.00420	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_QPSK	2.55	0.00098	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_QPSK	-5.50	-0.00212	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_QPSK	-7.35	-0.00283	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_BPSK	-8.73	-0.00334	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_BPSK	-2.22	-0.00085	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_BPSK	-15.70	-0.00601	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_QPSK	7.64	0.00292	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_QPSK	-26.97	-0.01032	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_QPSK	-1.75	-0.00067	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_BPSK	-9.08	-0.00352	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_BPSK	-9.94	-0.00385	-2.5	2.5	PASS

n38	30	20	516000	1@49	DFT_BPSK	5.20	0.00202	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_QPSK	2.44	0.00095	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_QPSK	18.95	0.00734	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_QPSK	4.34	0.00168	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_BPSK	-9.11	-0.00351	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_BPSK	-11.05	-0.00426	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_BPSK	-11.75	-0.00453	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_QPSK	4.43	0.00171	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_QPSK	8.72	0.00336	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_QPSK	-1.31	-0.00050	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_BPSK	-3.05	-0.00117	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_BPSK	12.34	0.00473	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_BPSK	2.58	0.00099	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_QPSK	16.03	0.00614	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_QPSK	11.47	0.00439	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_QPSK	-6.07	-0.00233	-2.5	2.5	PASS

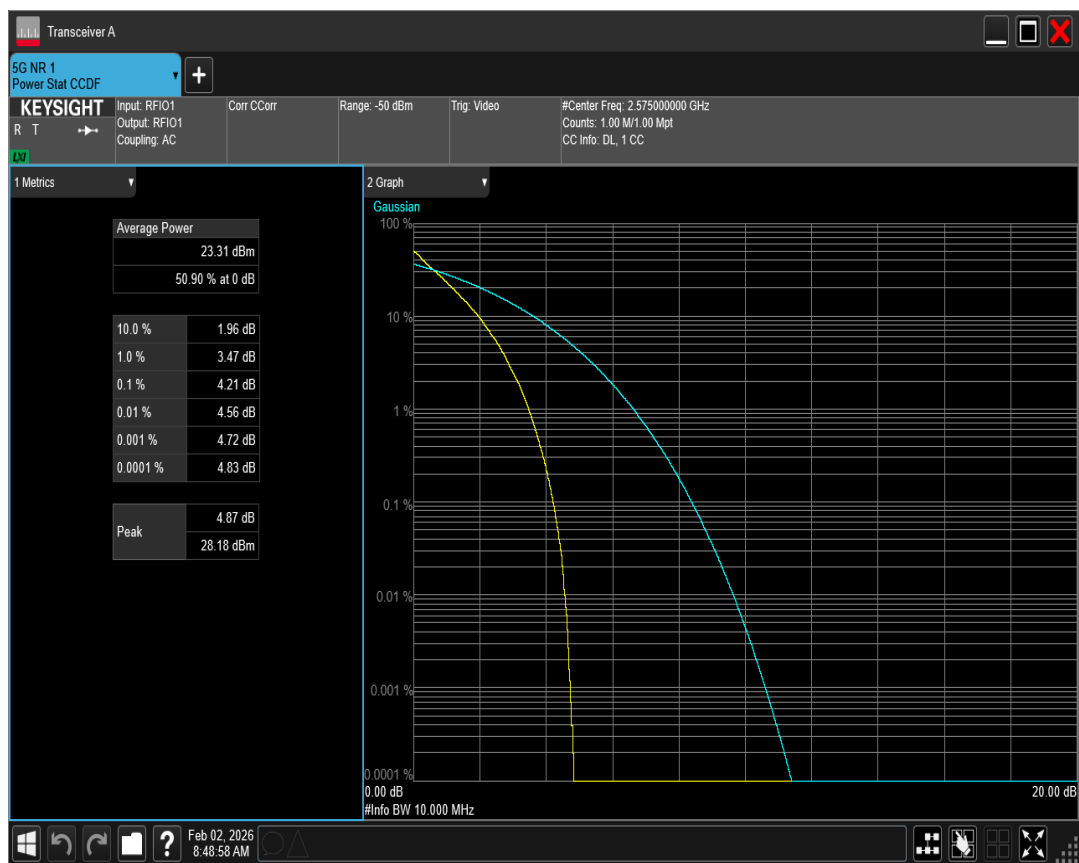
Note: (Voltage: 3.92V, Temperature: 25°C) only reflect the worst mode.

3 Peak-to-Average Ratio for NR FR1

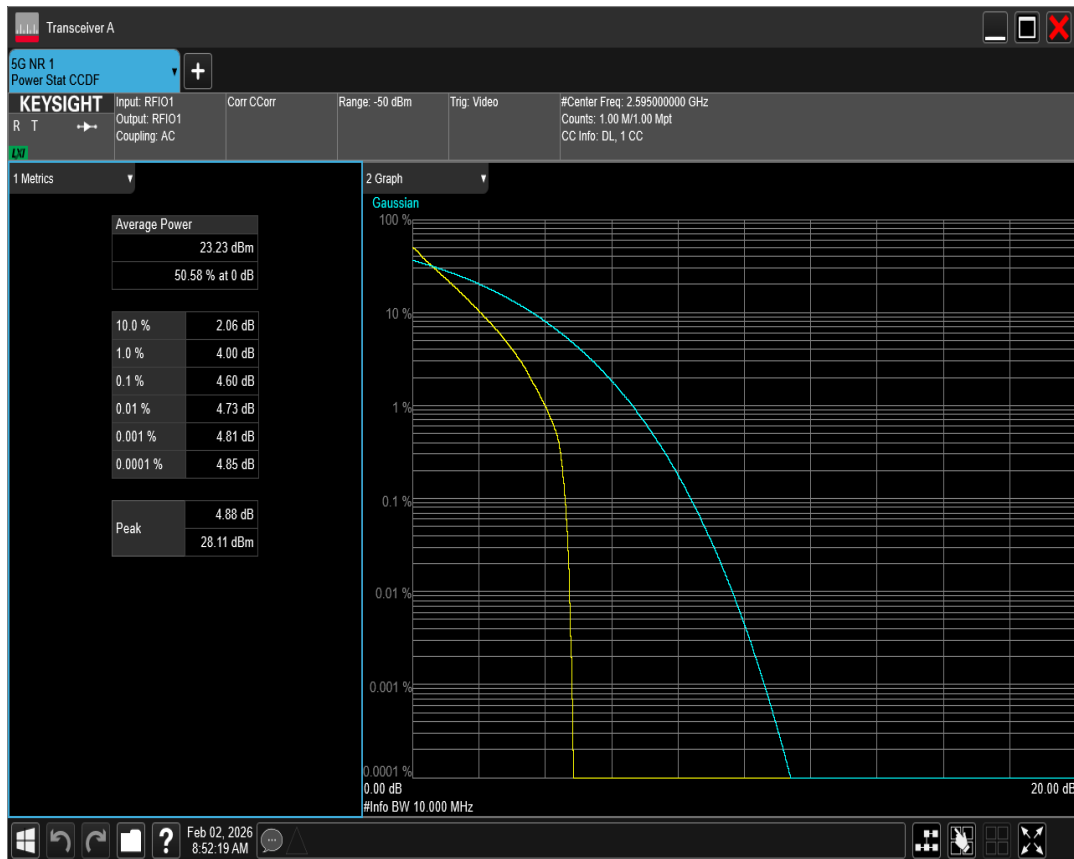
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n38	30	10	515000	24@0	DFT_BPSK	4.21	13	PASS
n38	30	10	515000	24@0	DFT_QPSK	5.42	13	PASS
n38	30	10	515000	24@0	DFT_QAM16	6.23	13	PASS
n38	30	10	515000	24@0	DFT_QAM64	6.42	13	PASS
n38	30	10	515000	24@0	DFT_QAM256	7.84	13	PASS
n38	30	10	519000	24@0	DFT_BPSK	4.60	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	5.57	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	6.11	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	6.25	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	6.25	13	PASS
n38	30	10	523000	24@0	DFT_BPSK	4.11	13	PASS
n38	30	10	523000	24@0	DFT_QPSK	5.45	13	PASS
n38	30	10	523000	24@0	DFT_QAM16	6.22	13	PASS
n38	30	10	523000	24@0	DFT_QAM64	6.32	13	PASS
n38	30	10	523000	24@0	DFT_QAM256	6.49	13	PASS
n38	30	15	515500	36@0	DFT_BPSK	4.07	13	PASS
n38	30	15	515500	36@0	DFT_QPSK	5.31	13	PASS
n38	30	15	515500	36@0	DFT_QAM16	6.13	13	PASS
n38	30	15	515500	36@0	DFT_QAM64	6.21	13	PASS
n38	30	15	515500	36@0	DFT_QAM256	6.49	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.05	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	5.18	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	6.18	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	6.38	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	6.61	13	PASS
n38	30	15	522500	36@0	DFT_BPSK	4.20	13	PASS
n38	30	15	522500	36@0	DFT_QPSK	5.38	13	PASS
n38	30	15	522500	36@0	DFT_QAM16	6.23	13	PASS
n38	30	15	522500	36@0	DFT_QAM64	6.40	13	PASS
n38	30	15	522500	36@0	DFT_QAM256	6.51	13	PASS
n38	30	20	516000	50@0	DFT_BPSK	4.31	13	PASS
n38	30	20	516000	50@0	DFT_QPSK	5.56	13	PASS
n38	30	20	516000	50@0	DFT_QAM16	5.98	13	PASS
n38	30	20	516000	50@0	DFT_QAM64	6.27	13	PASS
n38	30	20	516000	50@0	DFT_QAM256	6.47	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	4.47	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.34	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	5.78	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	6.47	13	PASS
n38	30	20	519000	50@0	DFT_QAM256	6.70	13	PASS

n38	30	20	522000	50@0	DFT_BPSK	4.25	13	PASS
n38	30	20	522000	50@0	DFT_QPSK	5.44	13	PASS
n38	30	20	522000	50@0	DFT_QAM16	6.03	13	PASS
n38	30	20	522000	50@0	DFT_QAM64	6.36	13	PASS
n38	30	20	522000	50@0	DFT_QAM256	6.67	13	PASS

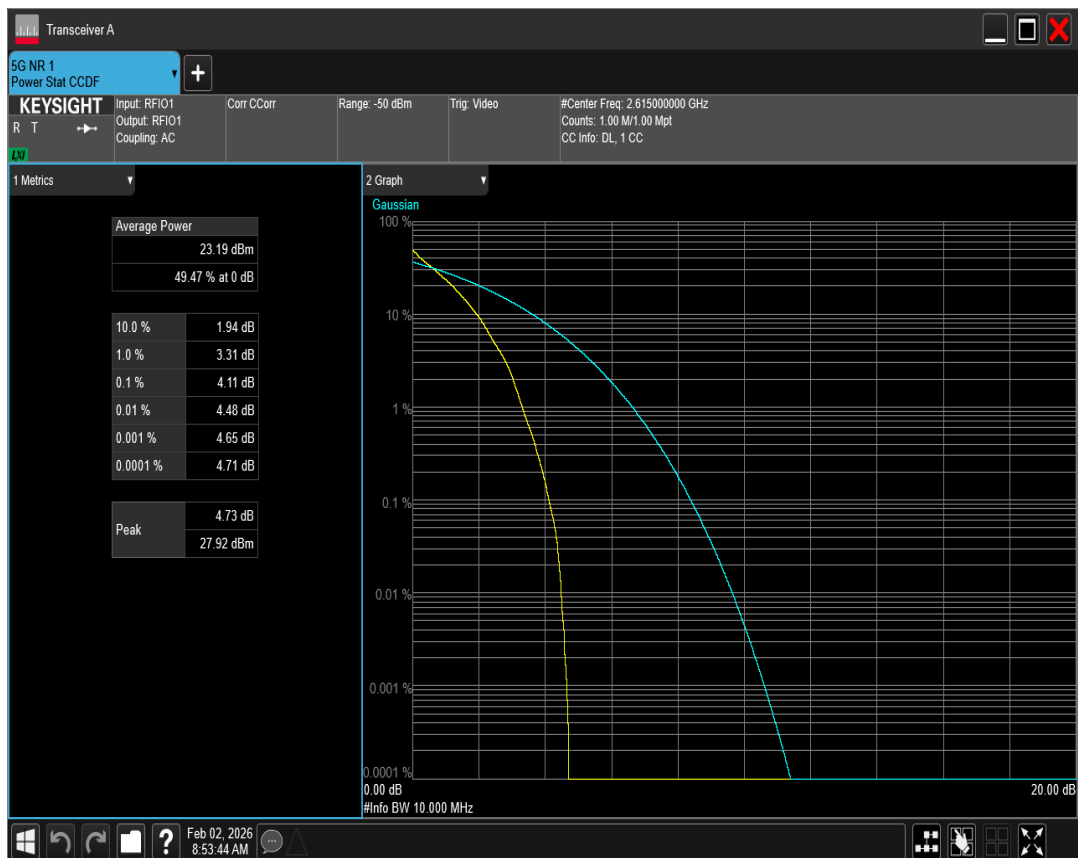
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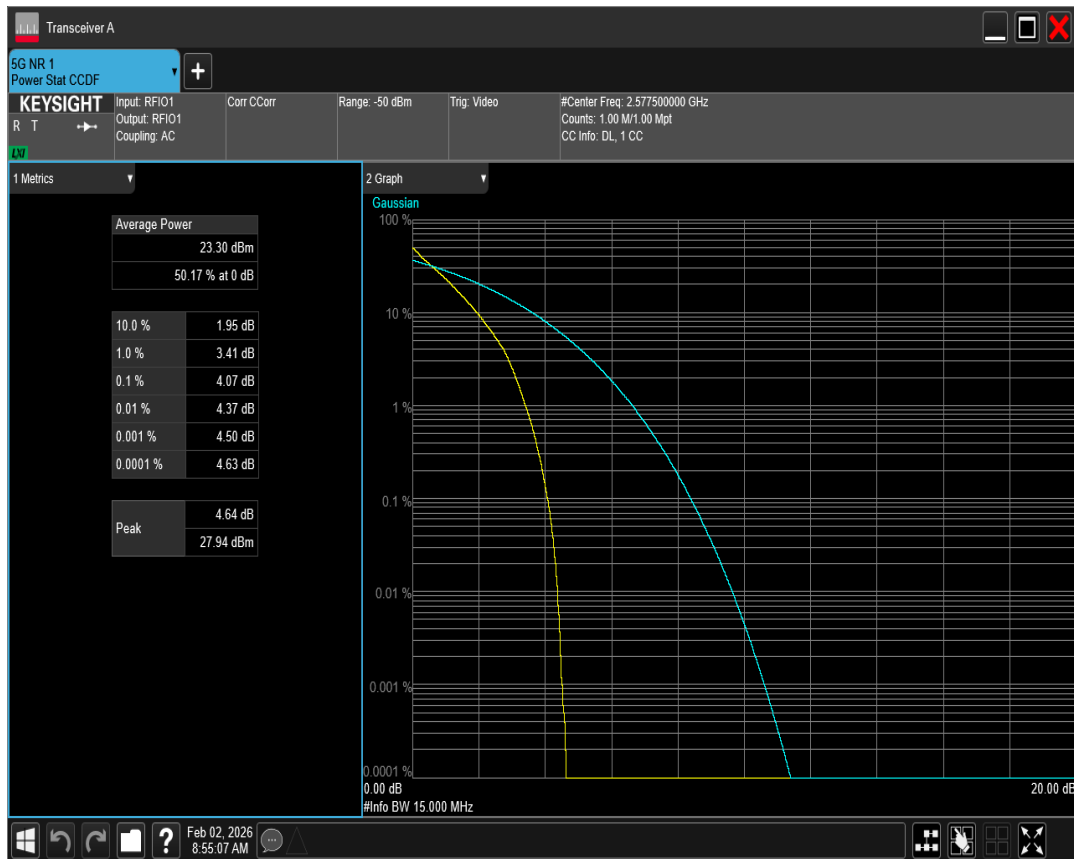
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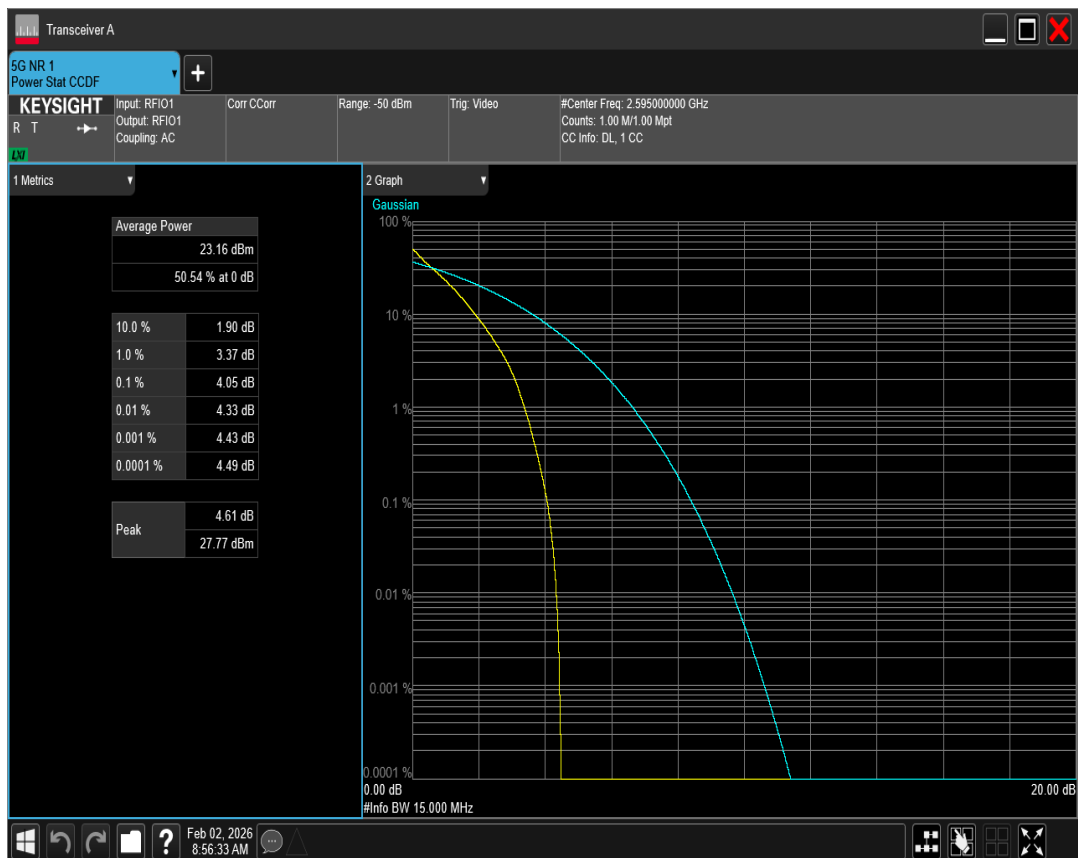
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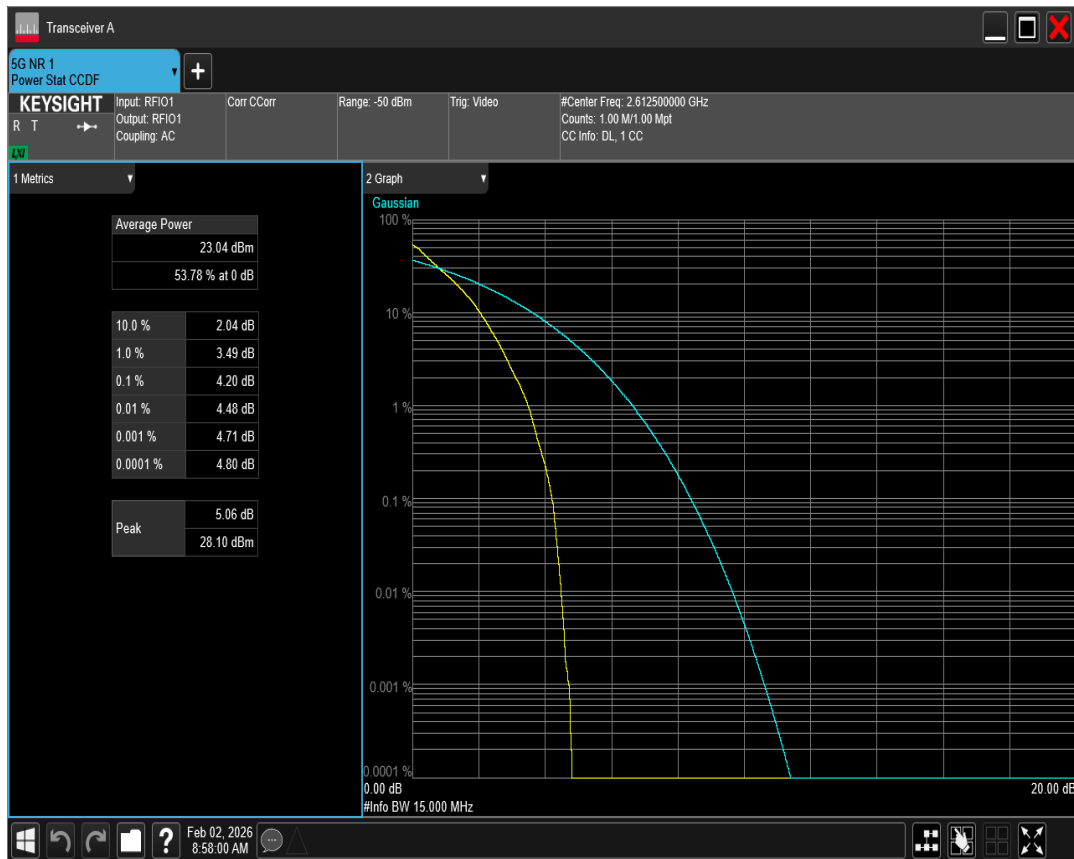
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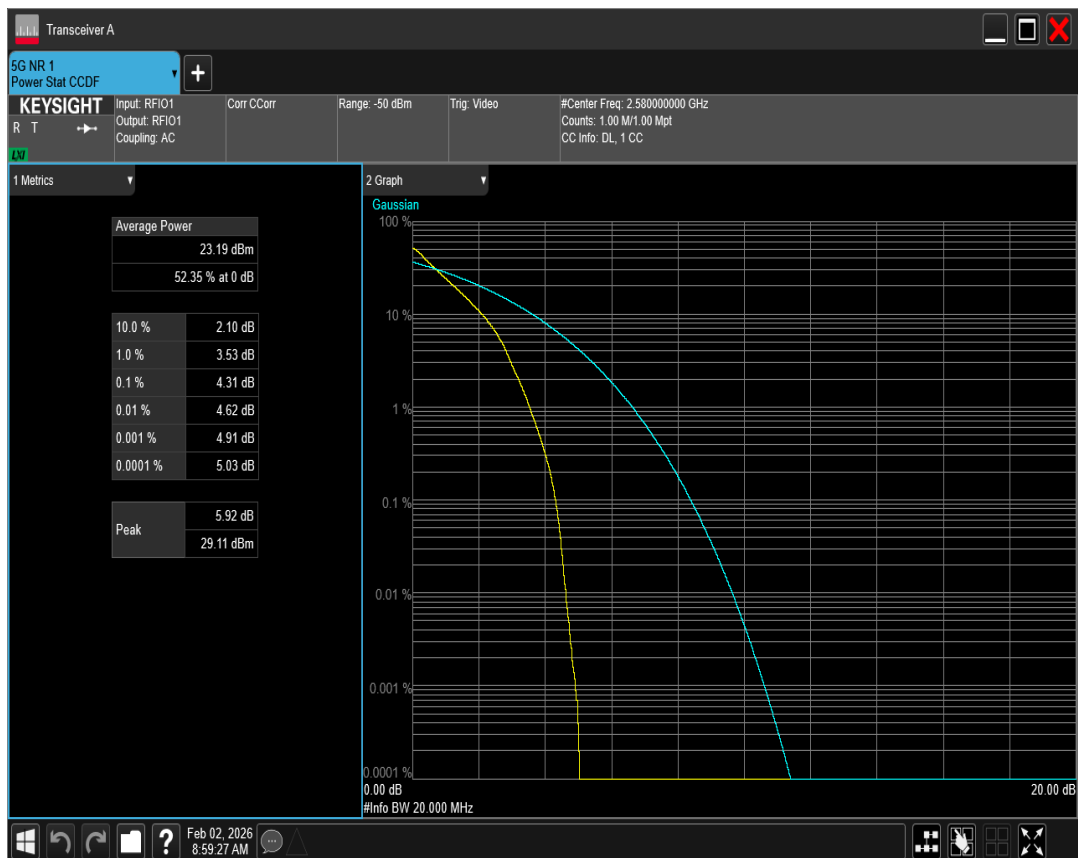
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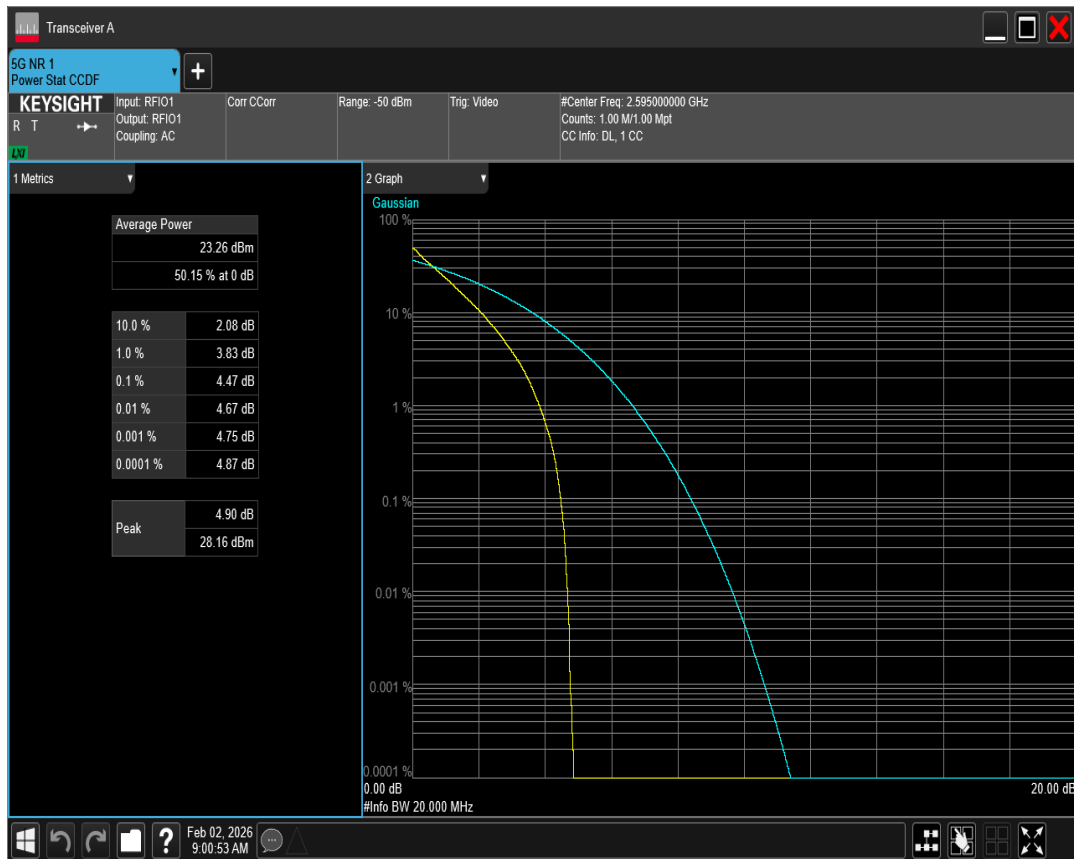
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=522500 RB=36@0



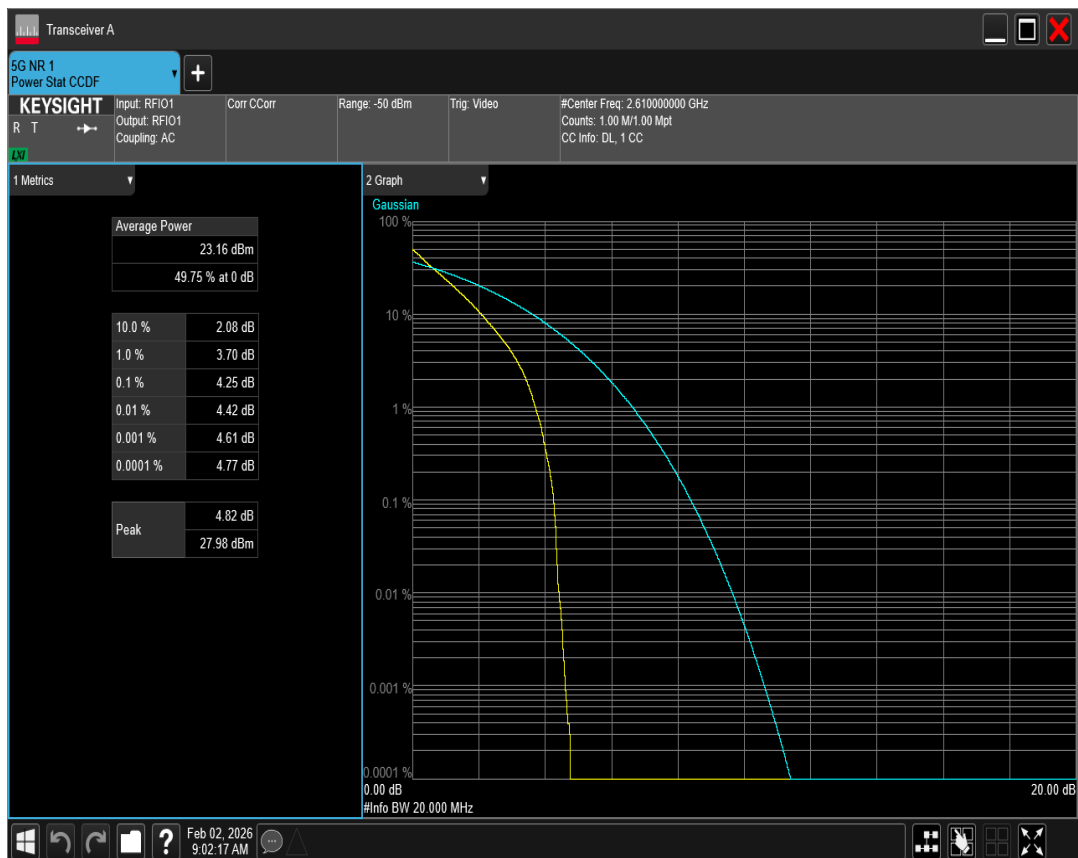
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=516000 RB=50@0



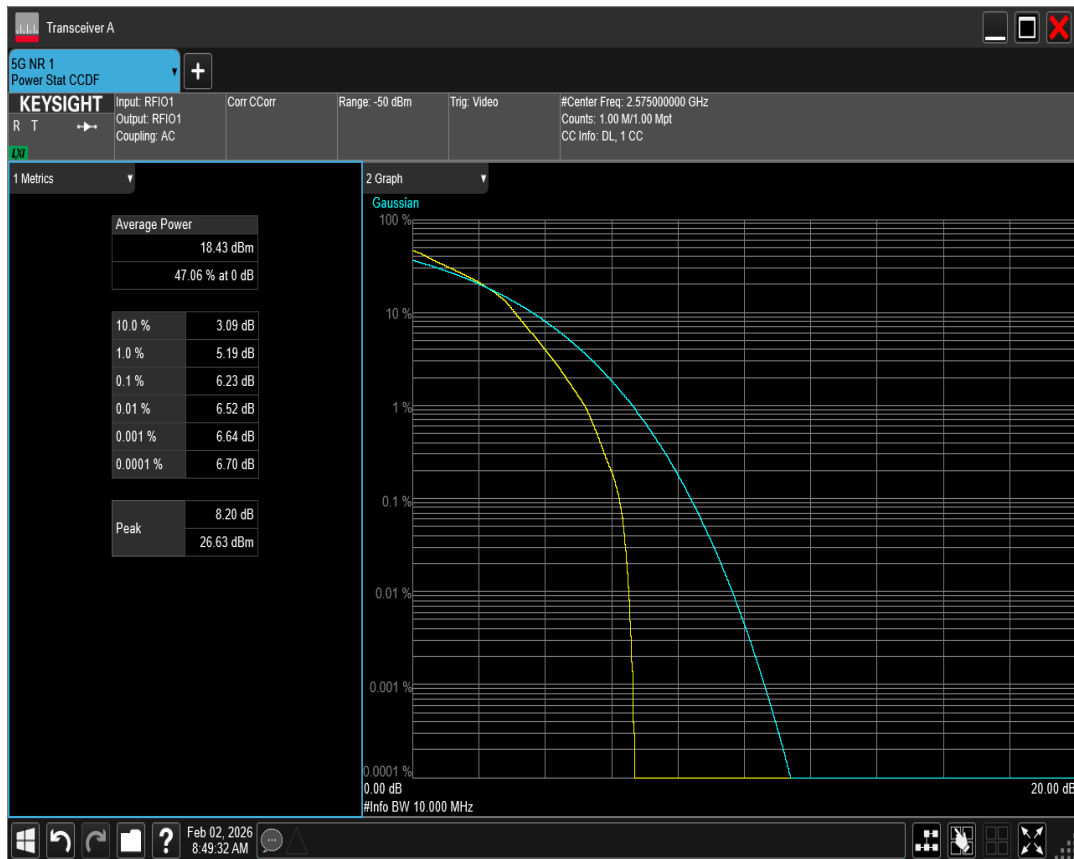
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



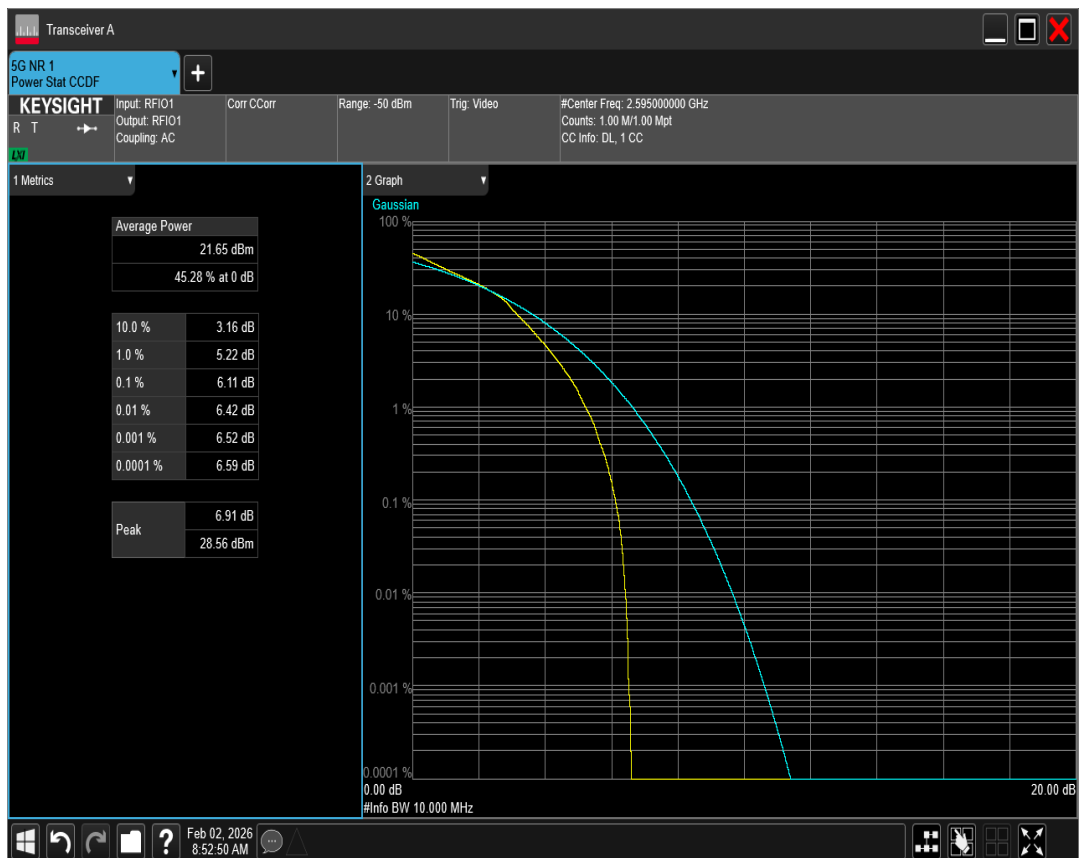
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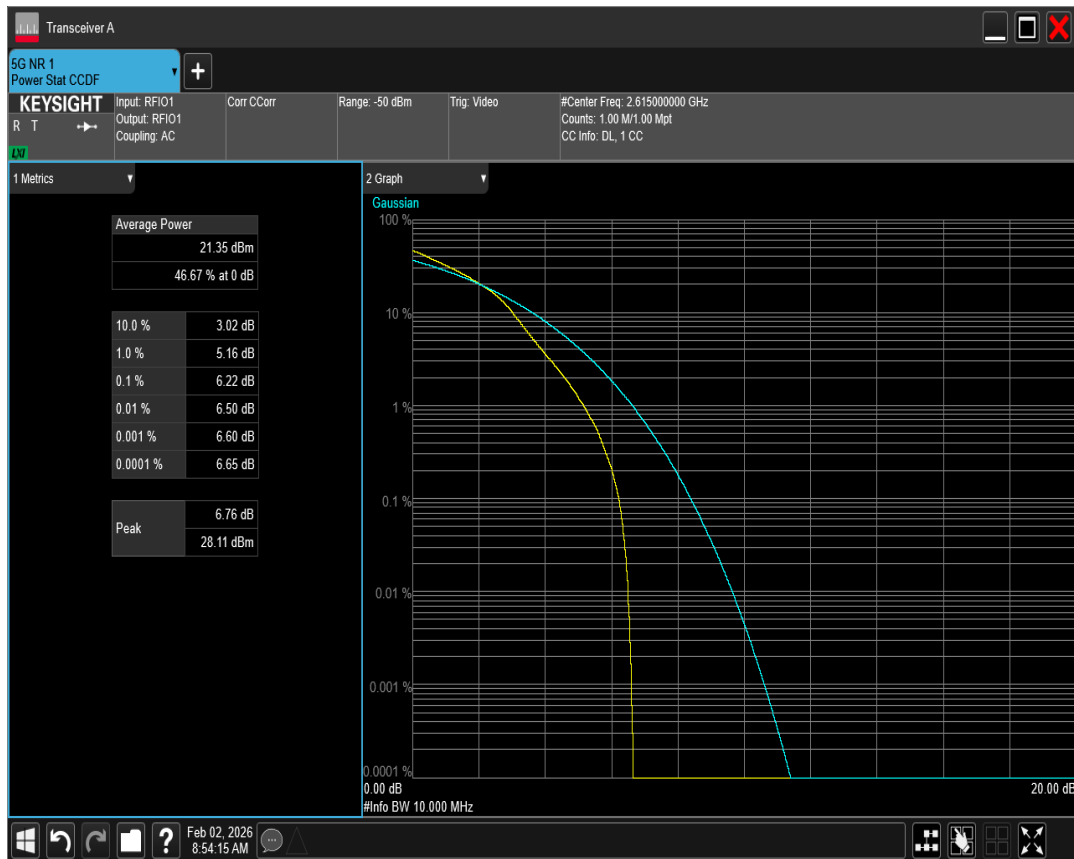
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=515000 RB=24@0



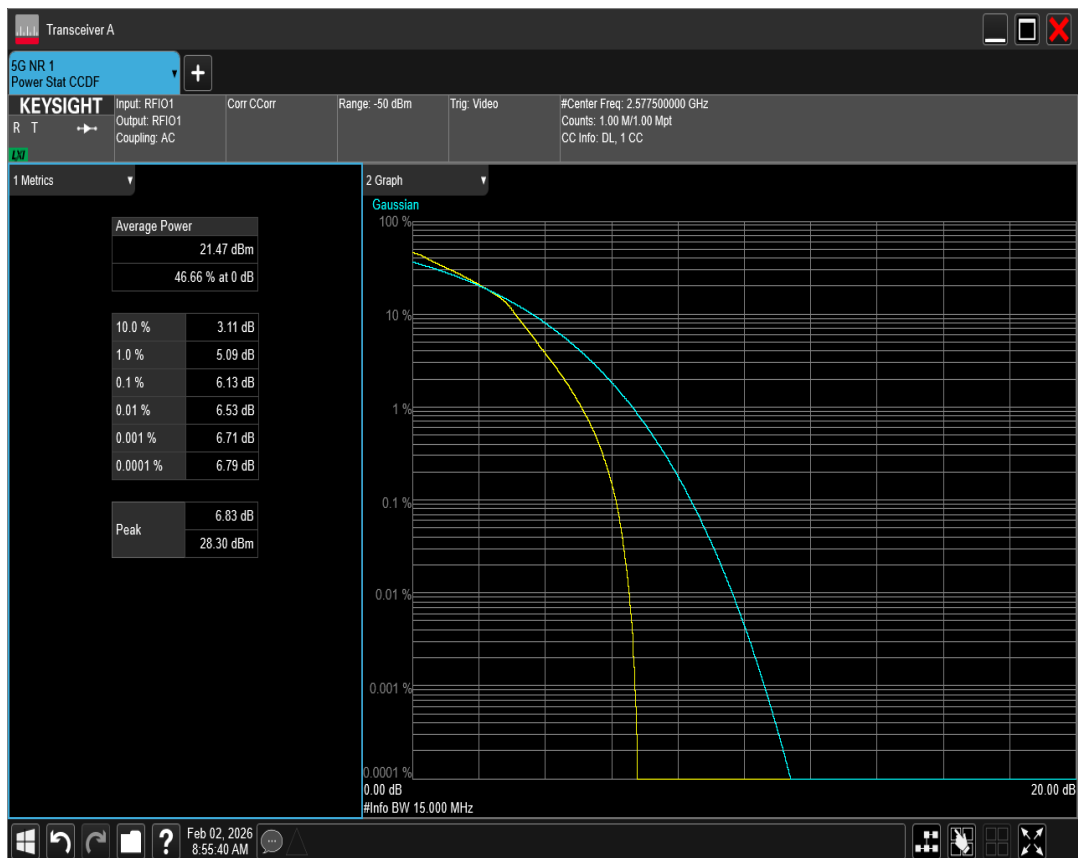
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



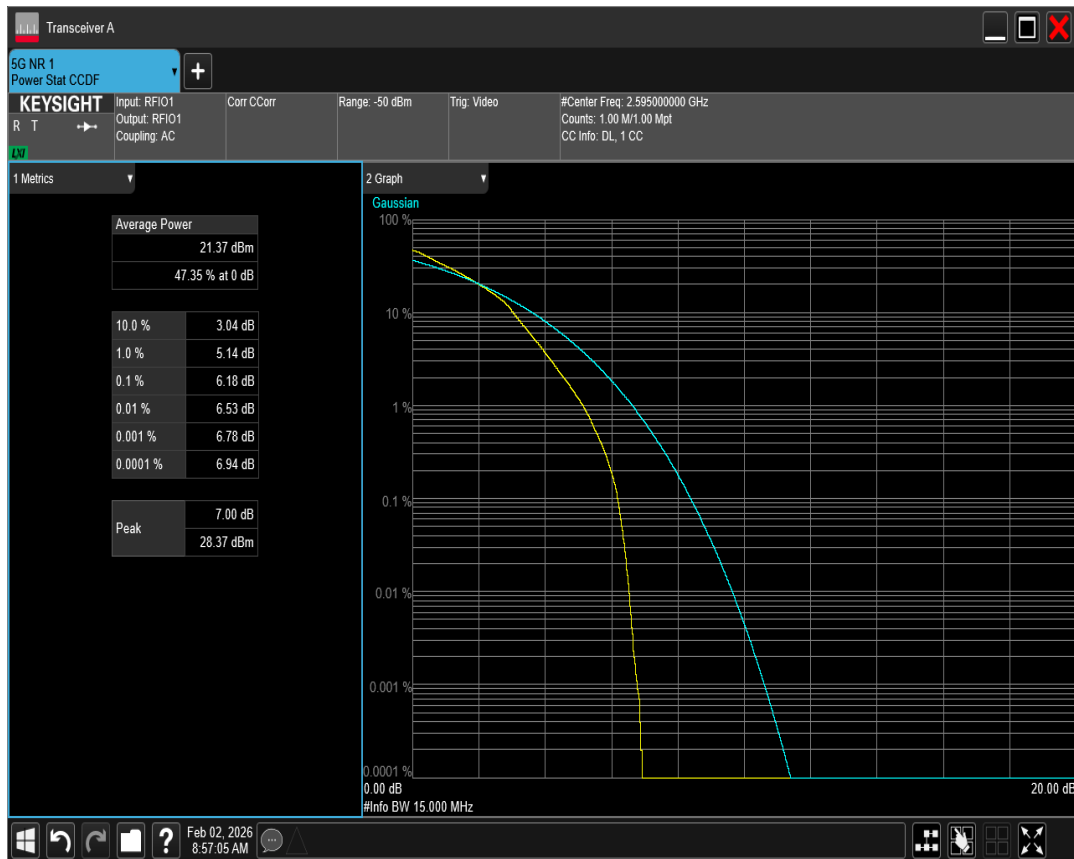
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=523000 RB=24@0



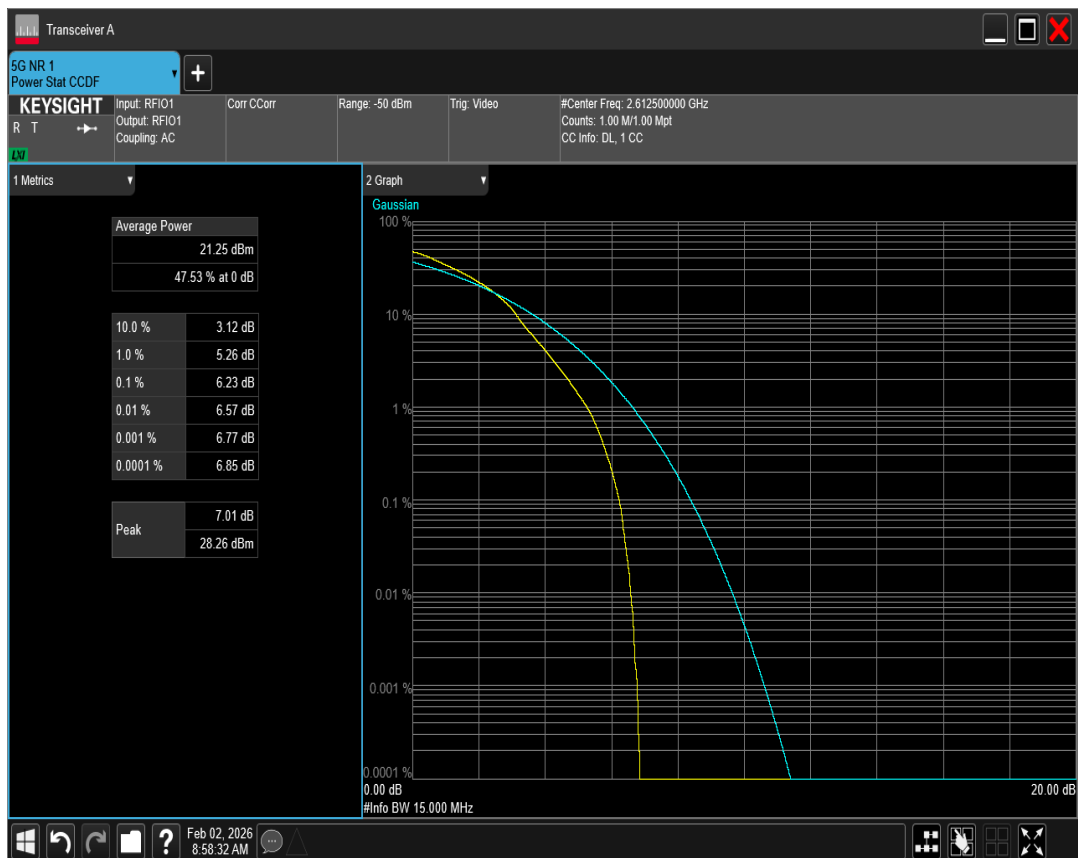
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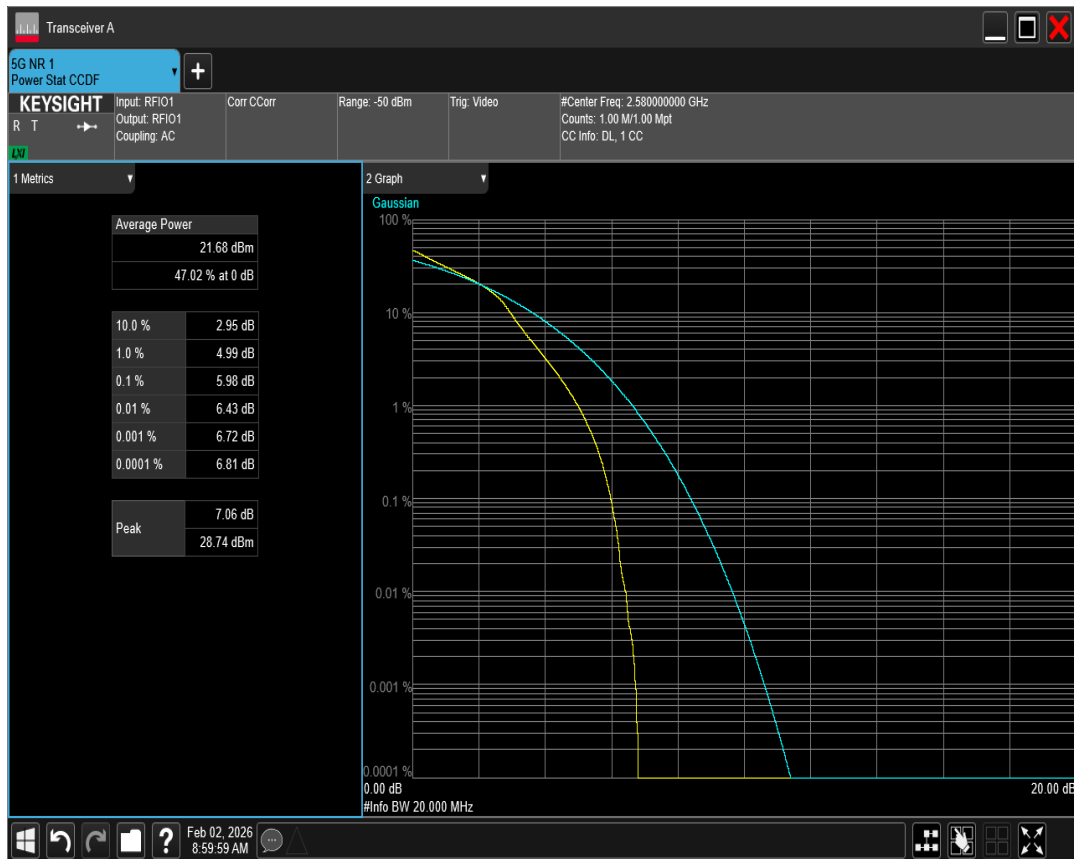
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



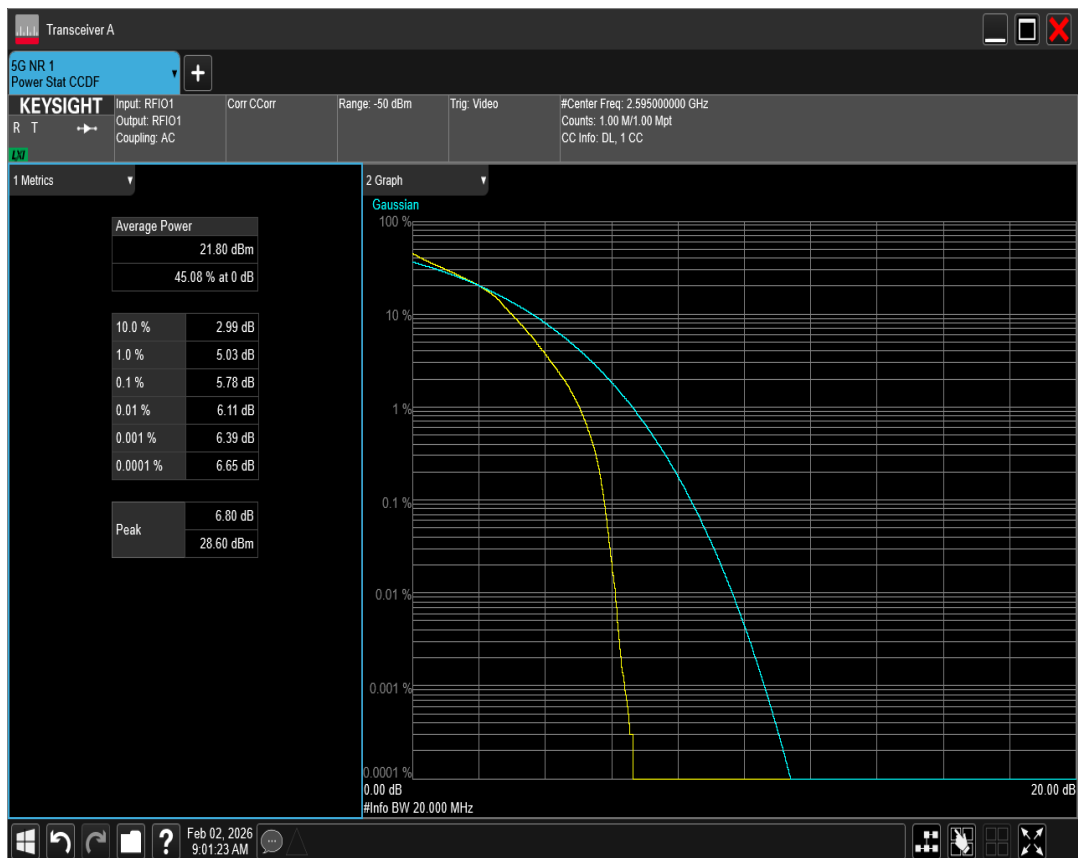
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=522500 RB=36@0



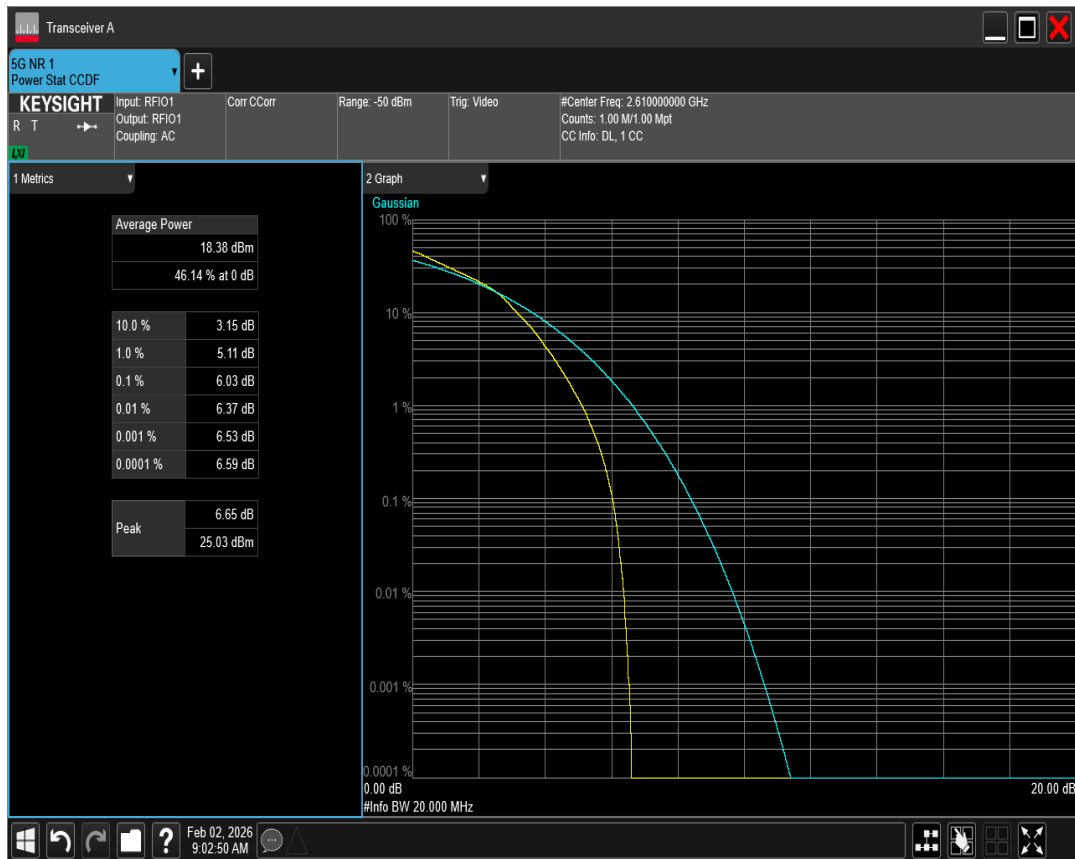
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=516000 RB=50@0



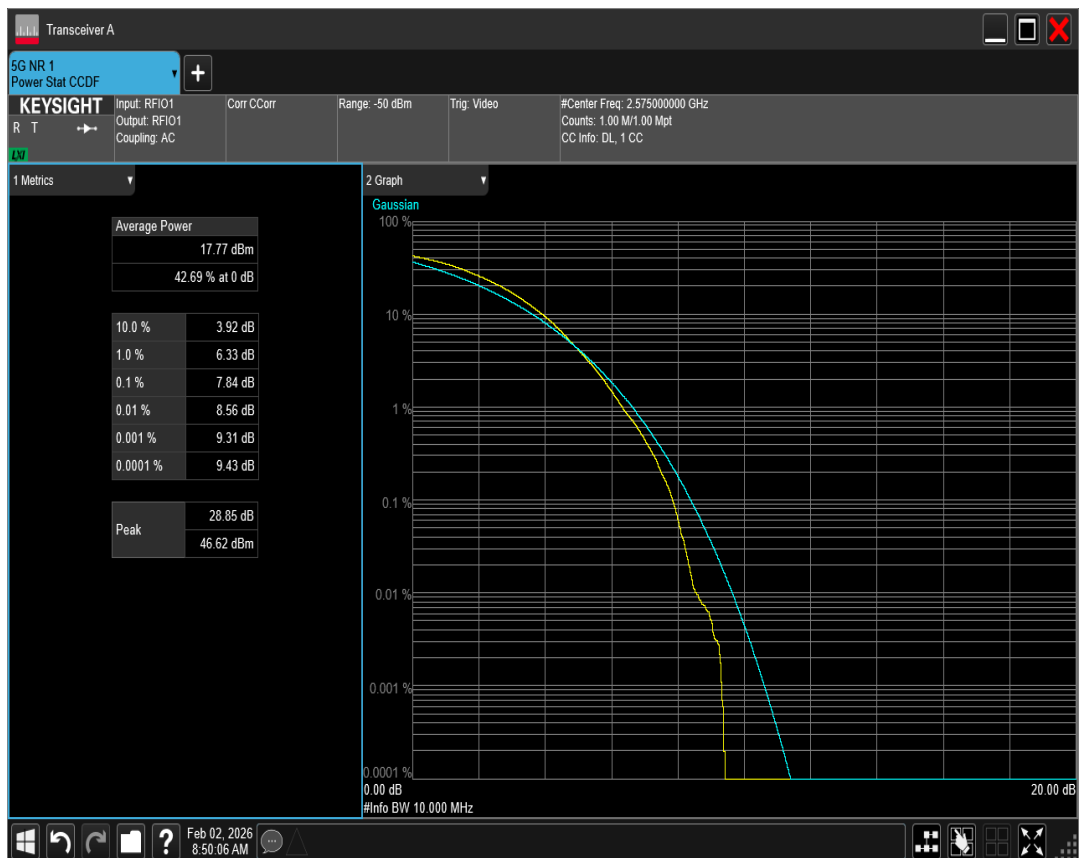
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



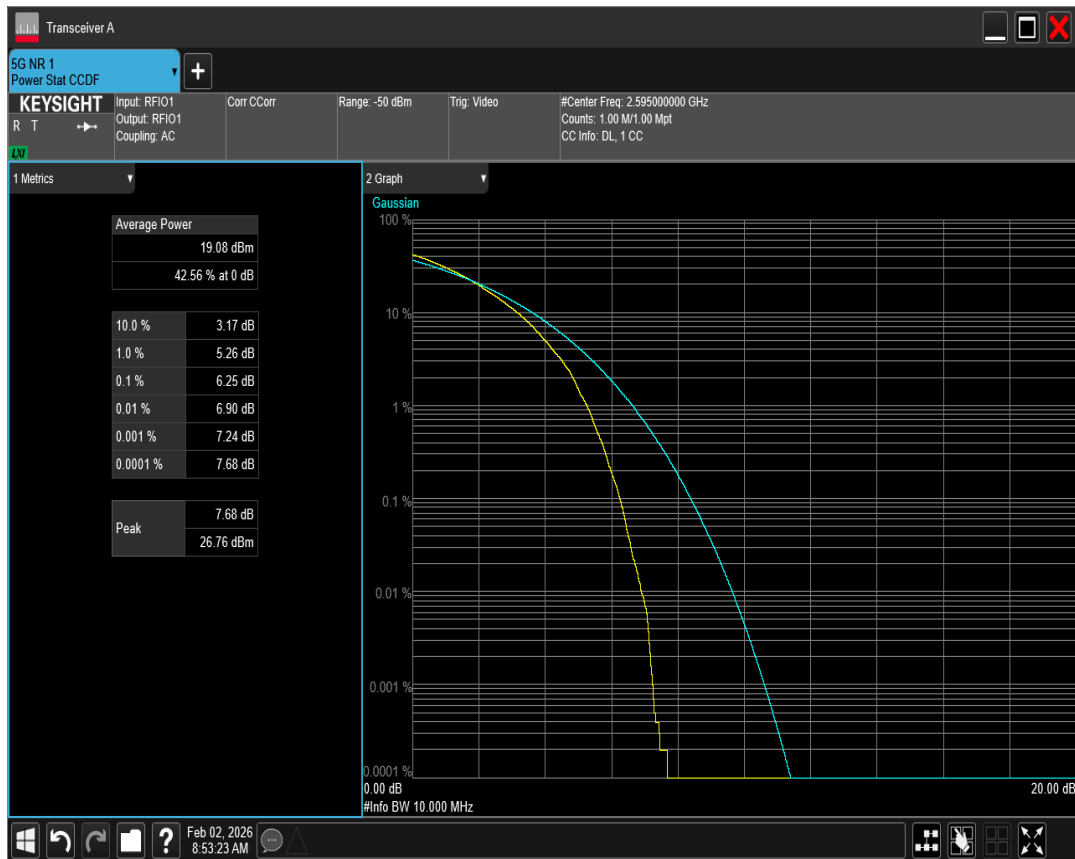
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=522000 RB=50@0



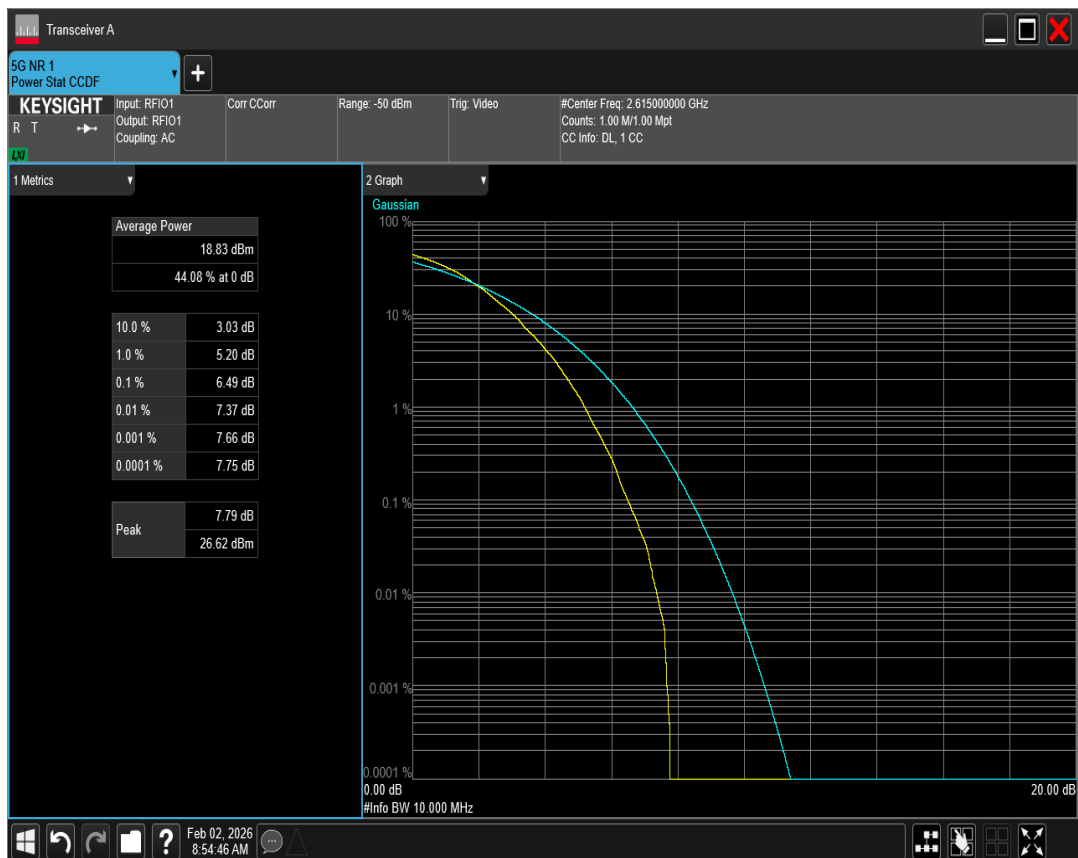
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=515000 RB=24@0



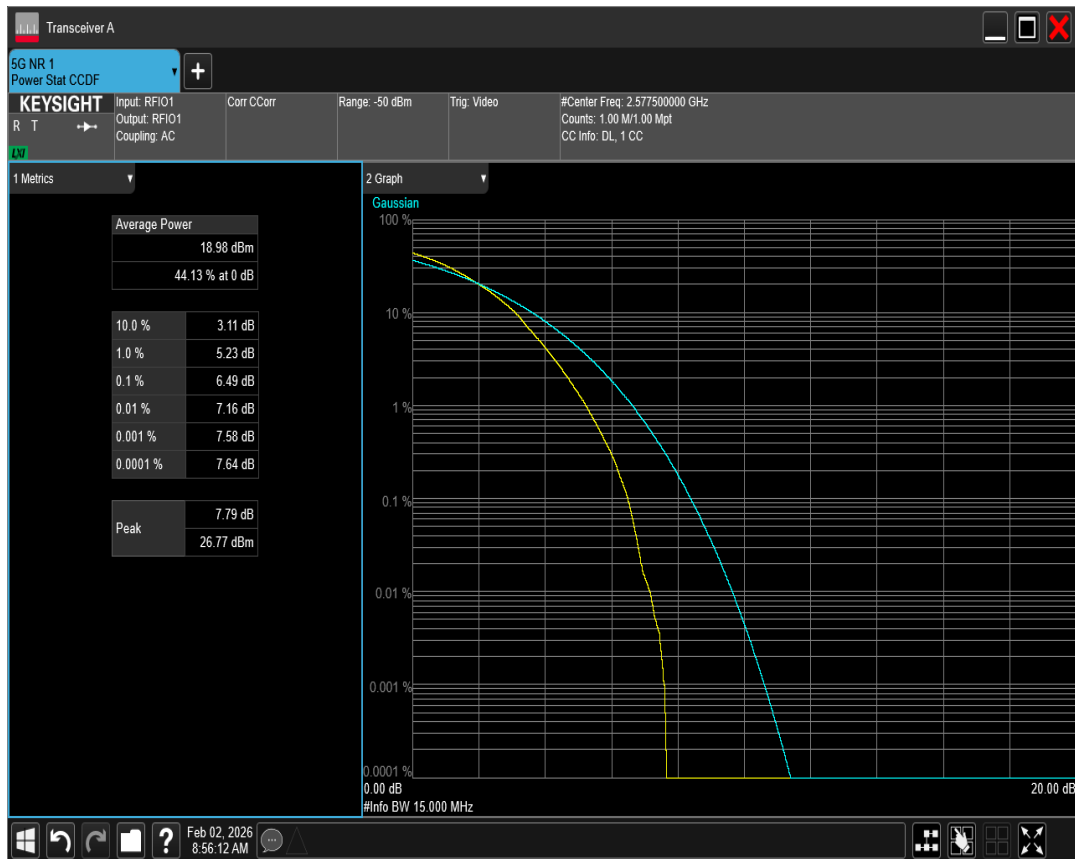
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



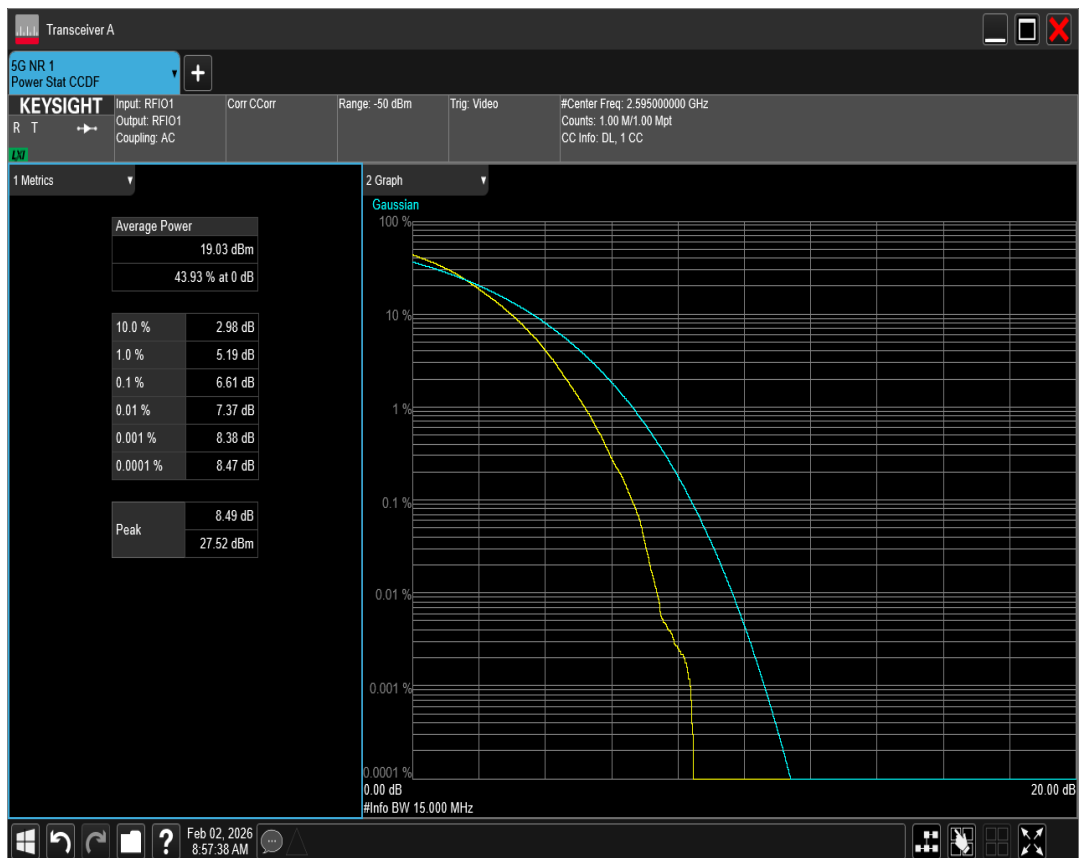
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=523000 RB=24@0



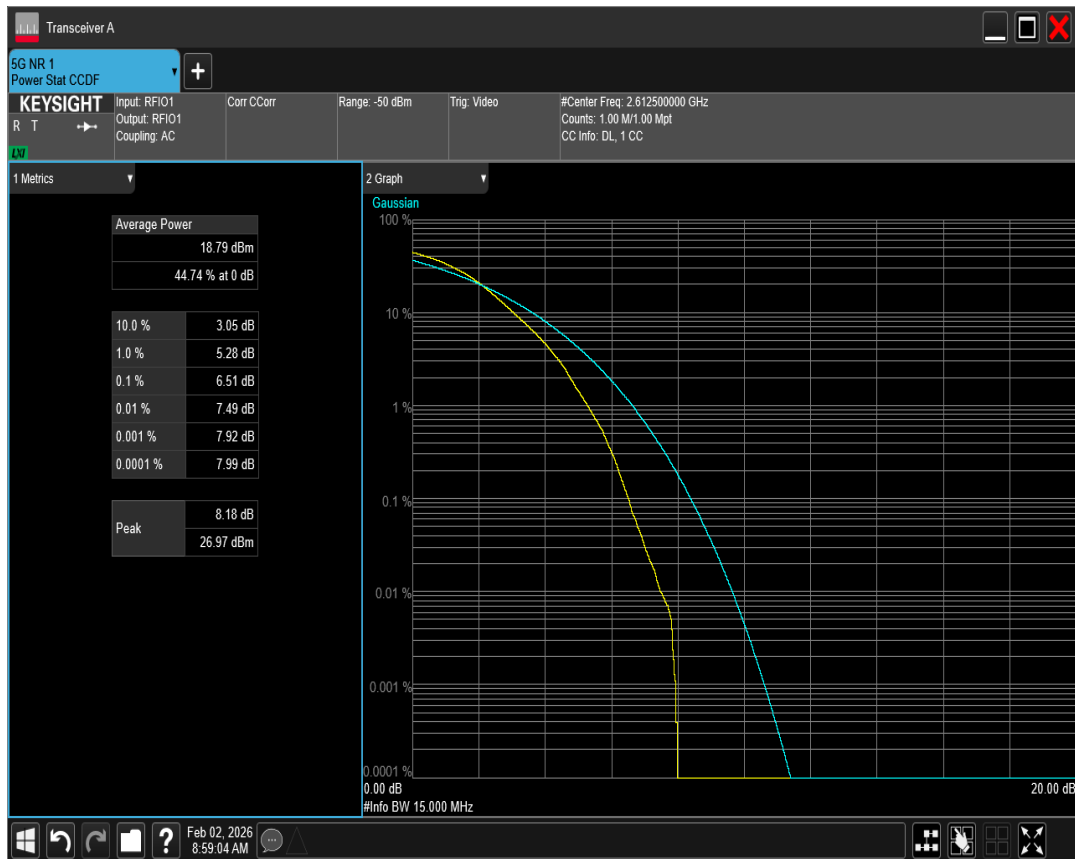
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=515500 RB=36@0



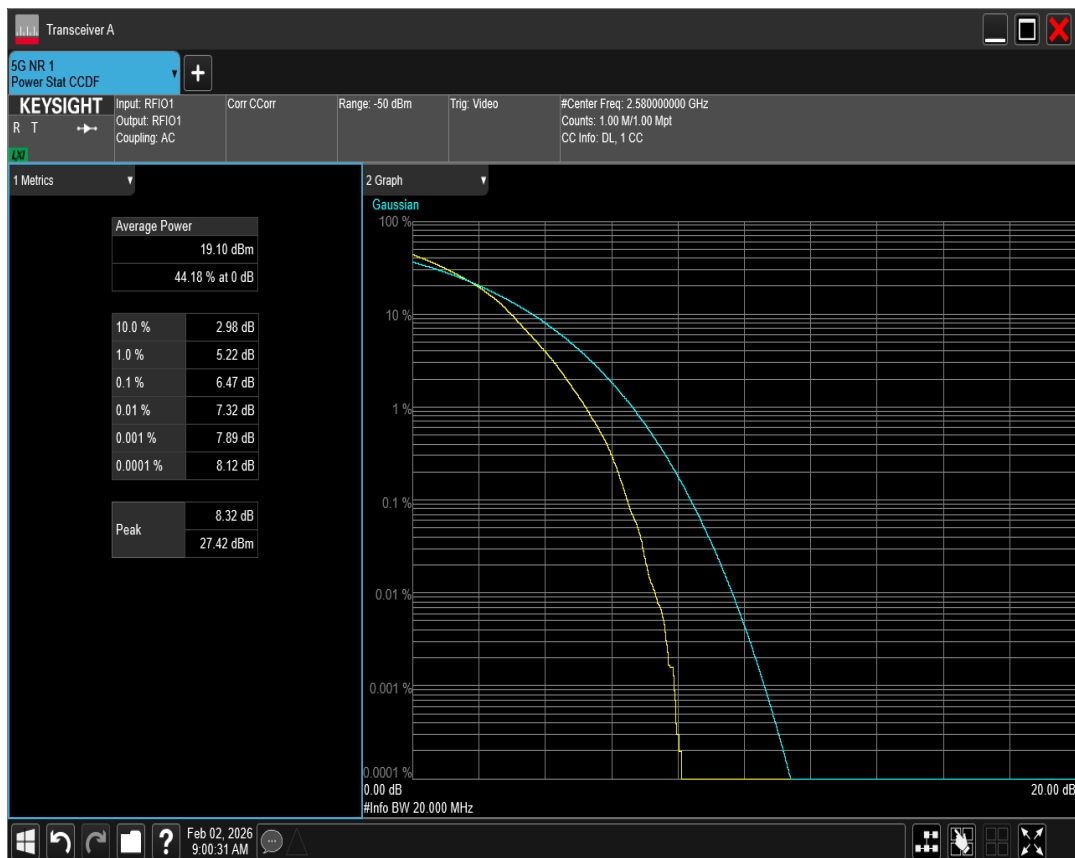
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



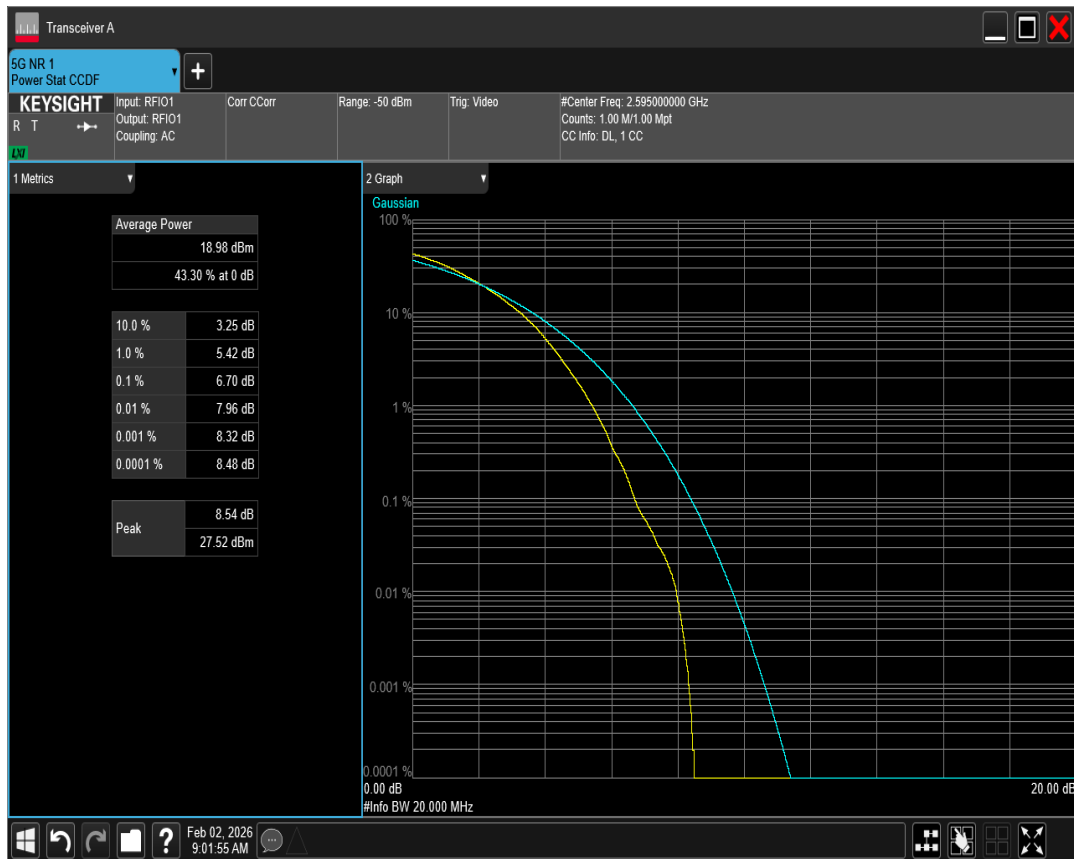
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=522500 RB=36@0



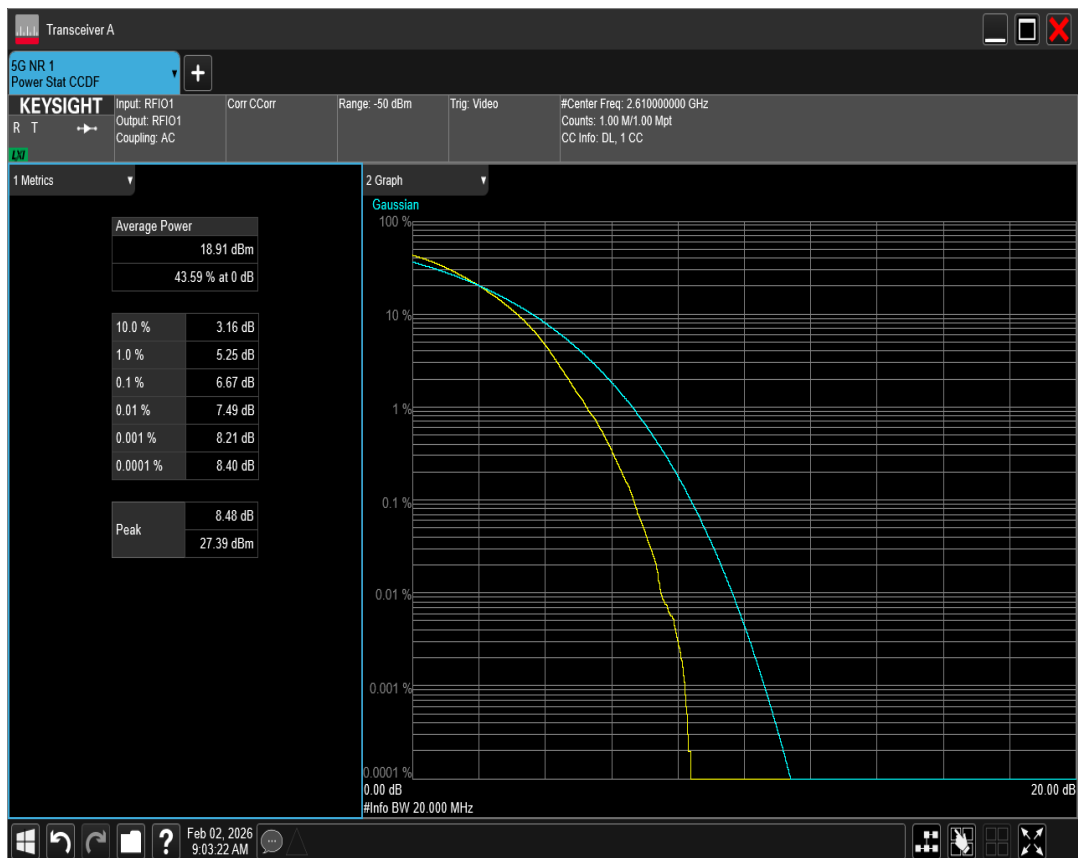
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=516000 RB=50@0



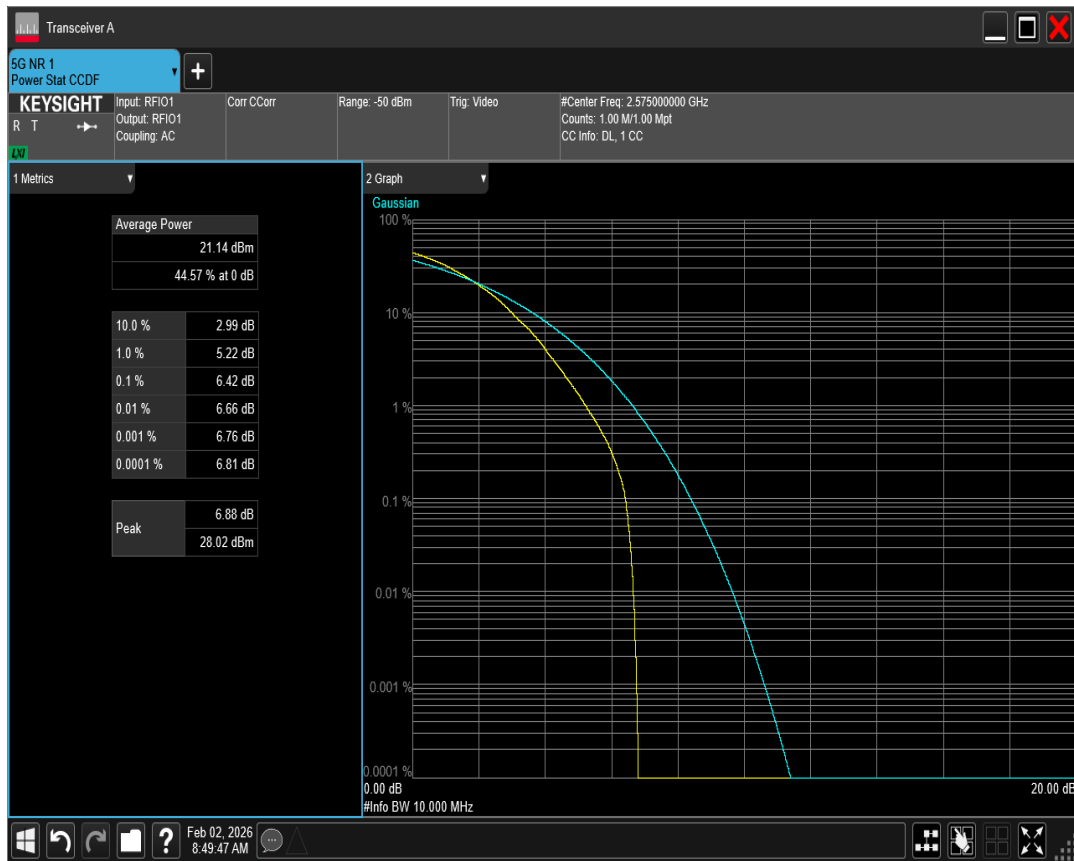
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



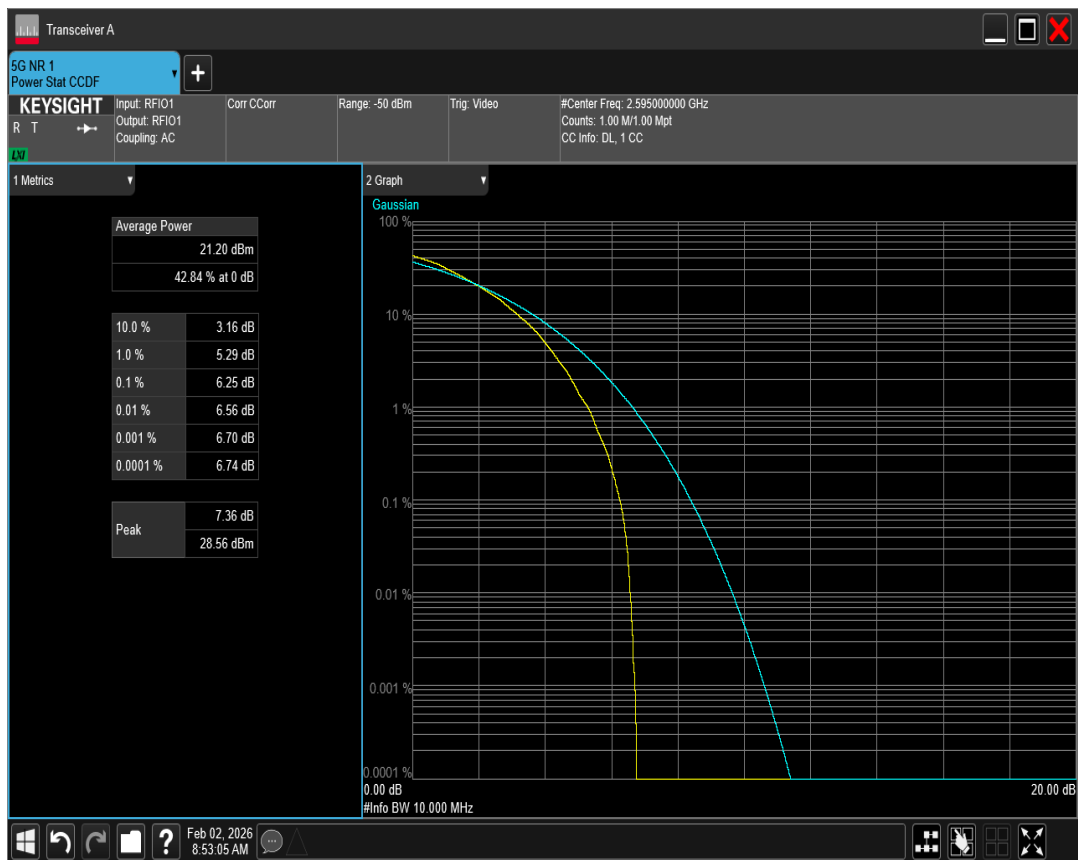
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=522000 RB=50@0



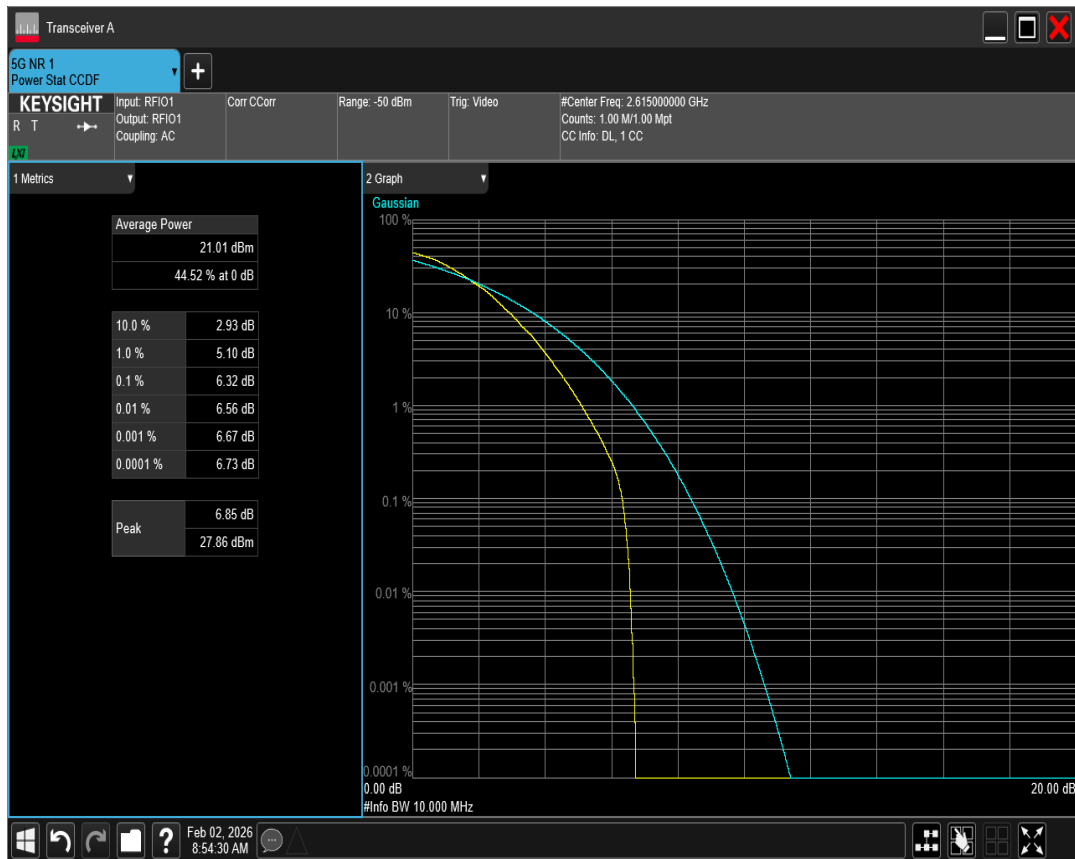
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



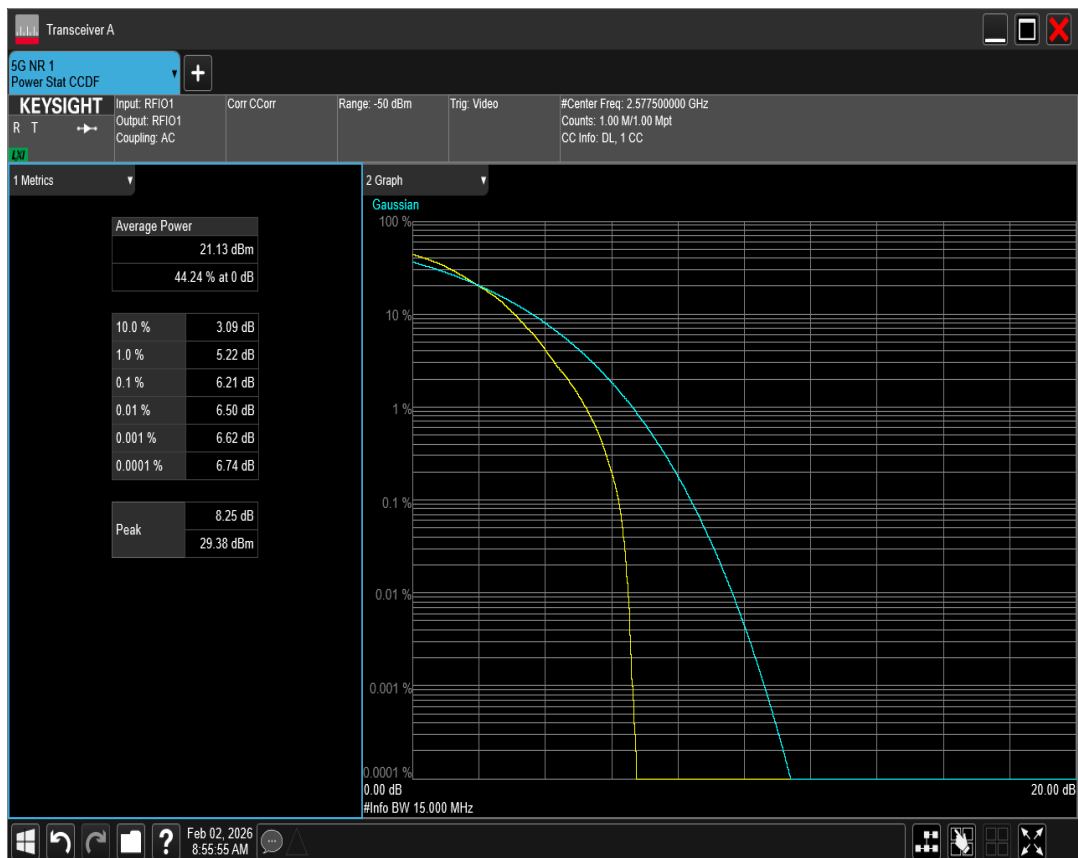
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



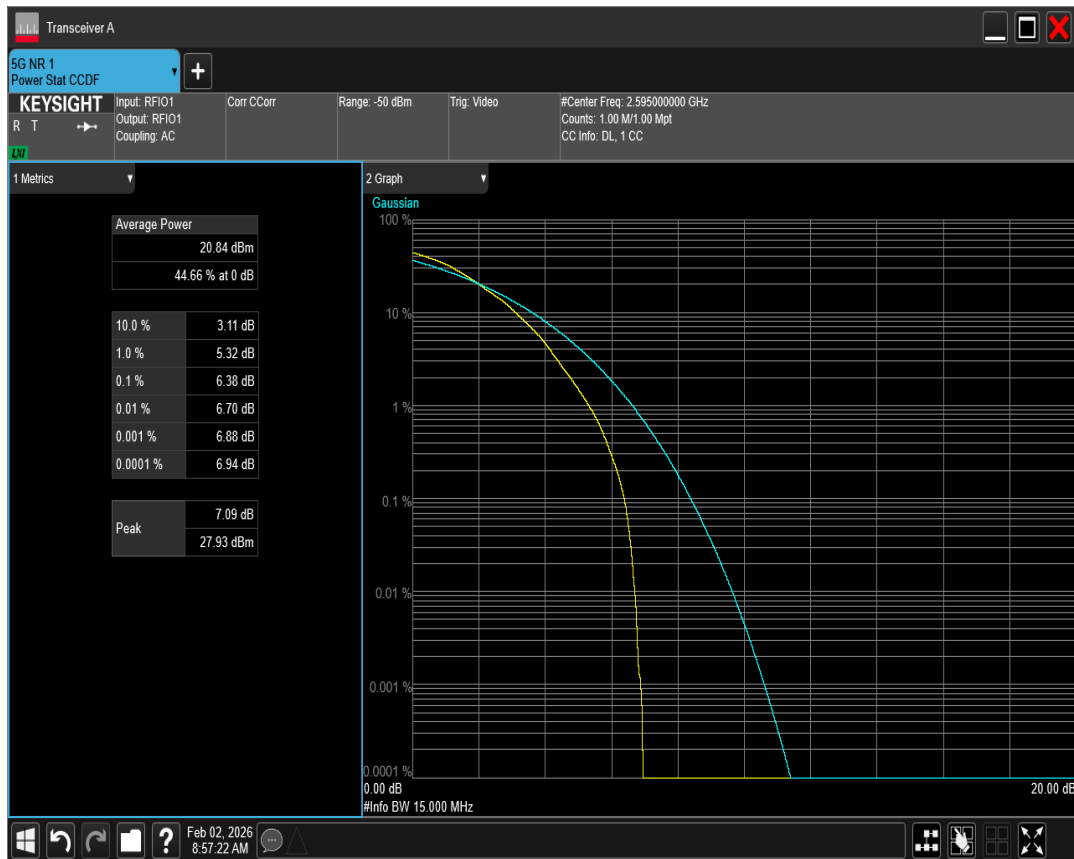
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



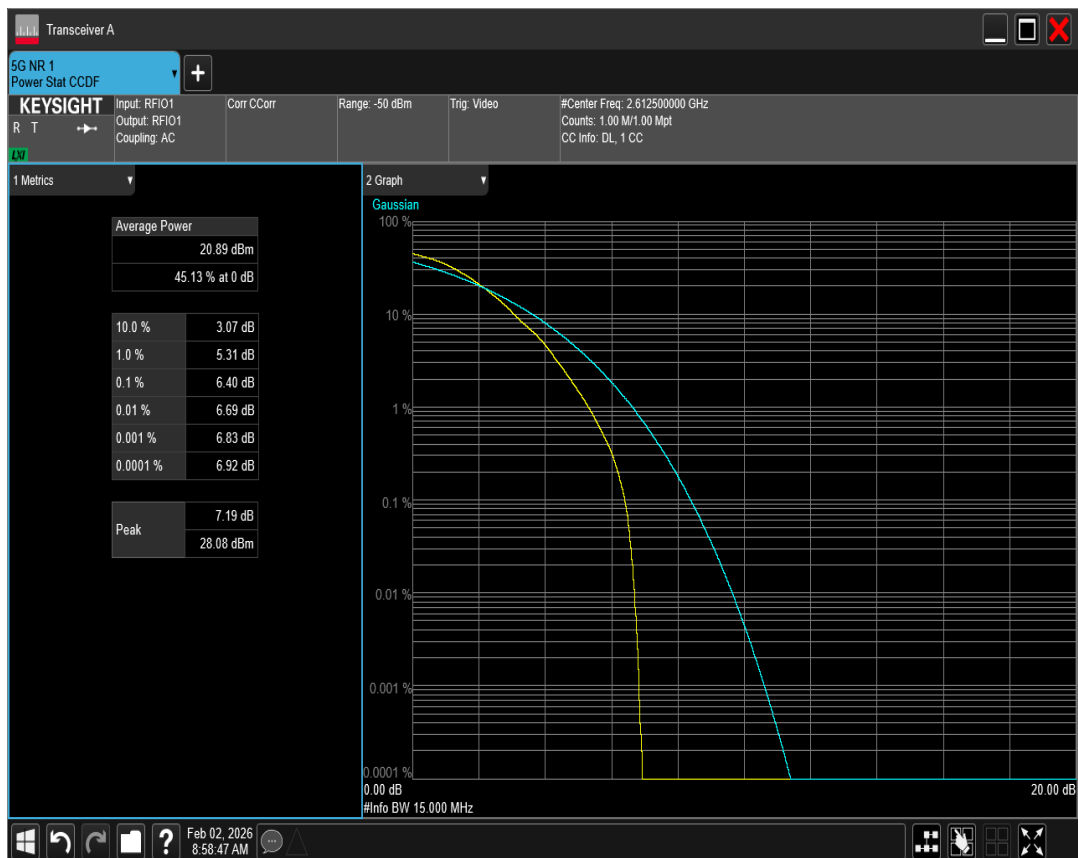
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



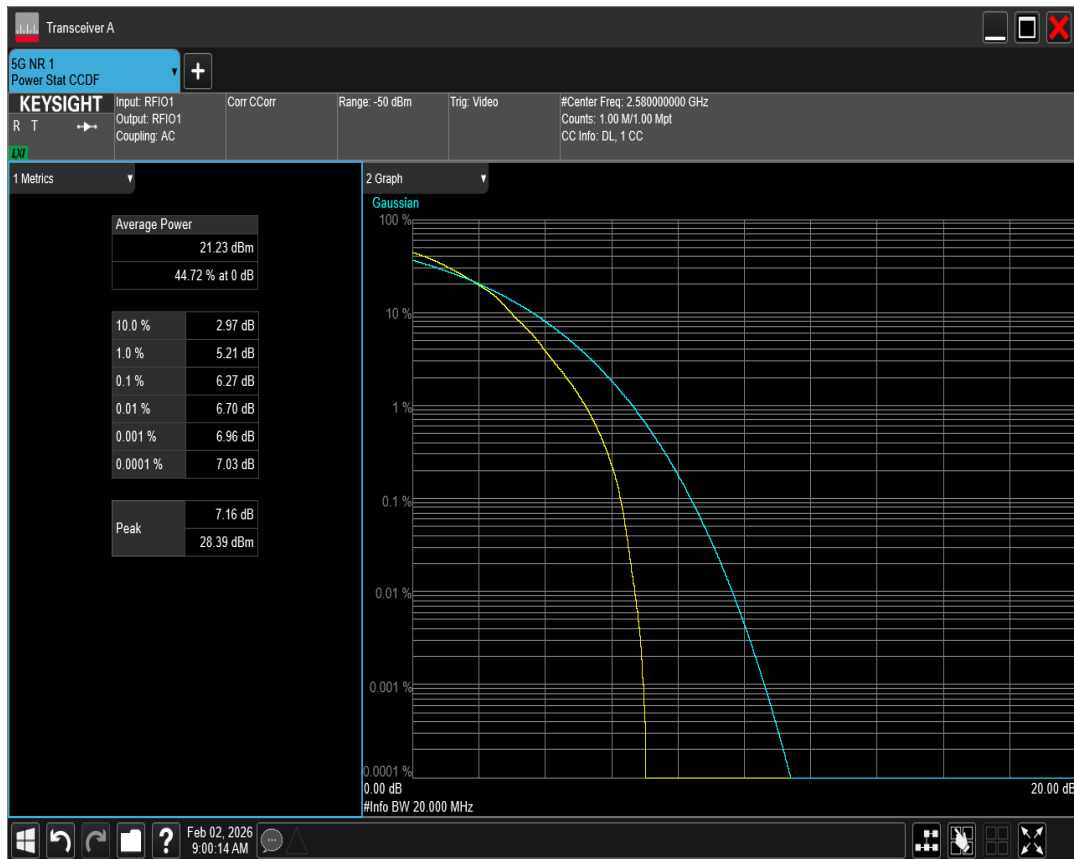
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



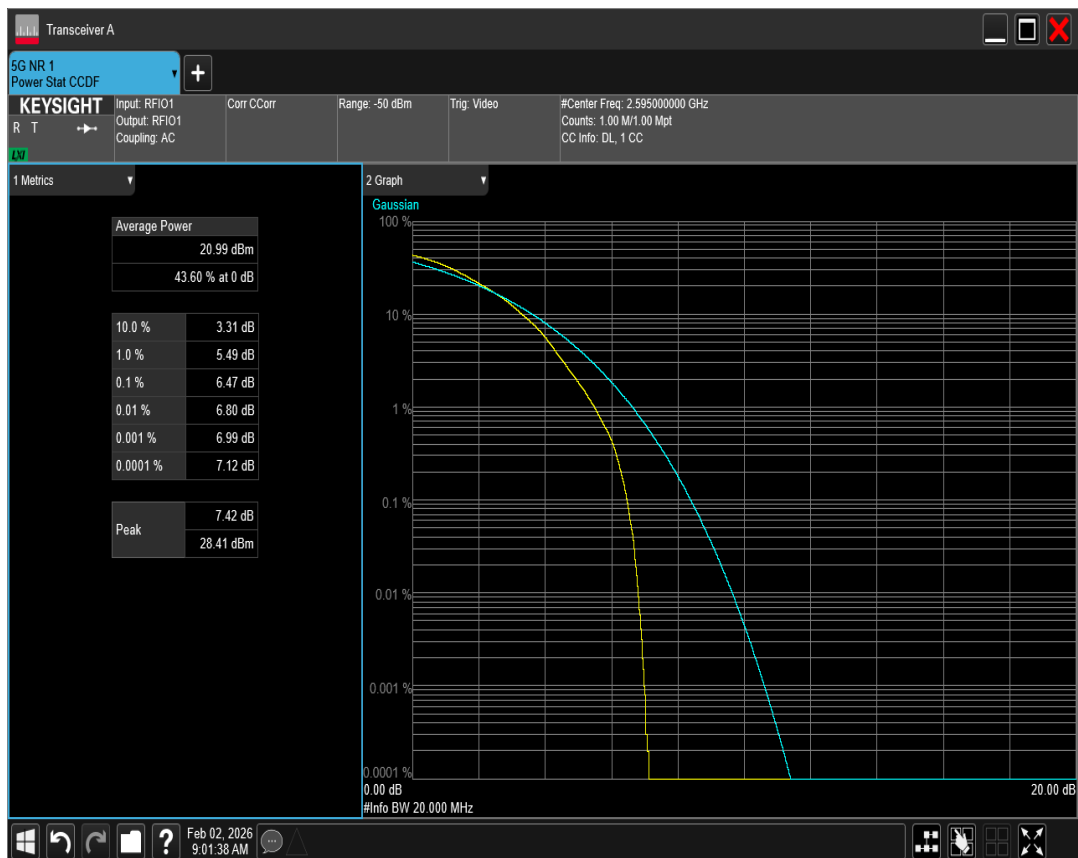
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



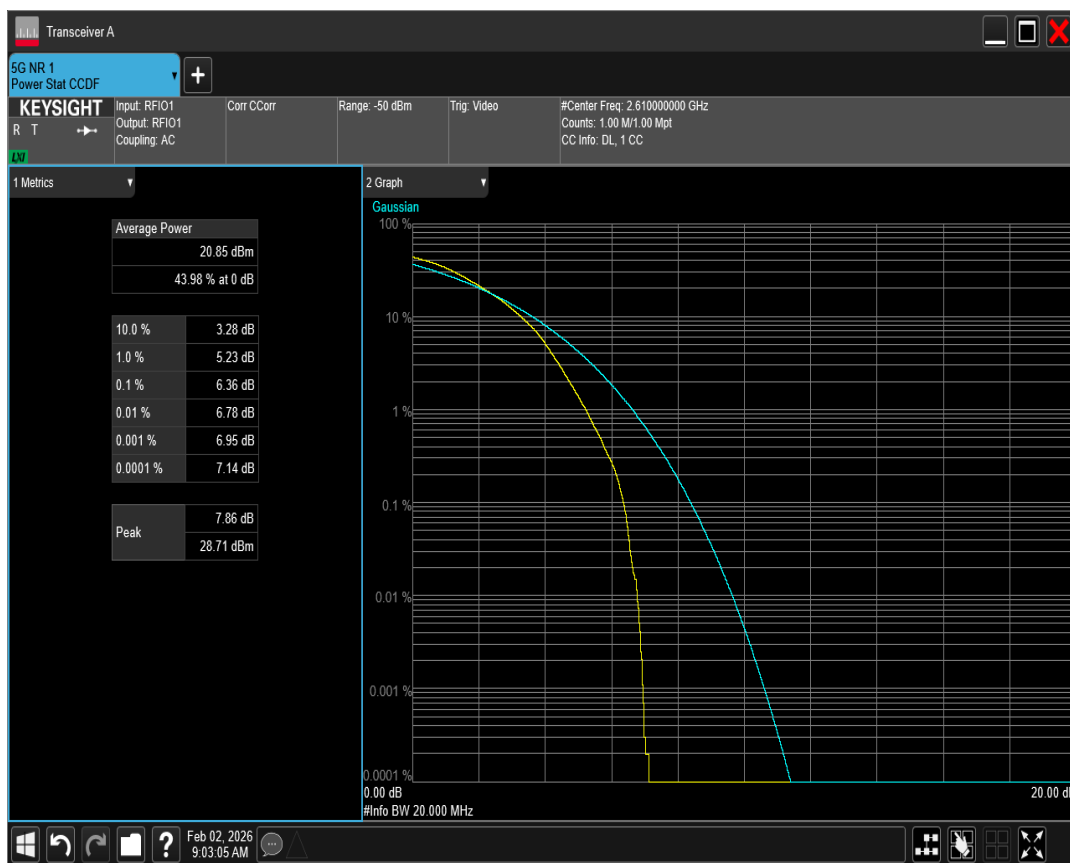
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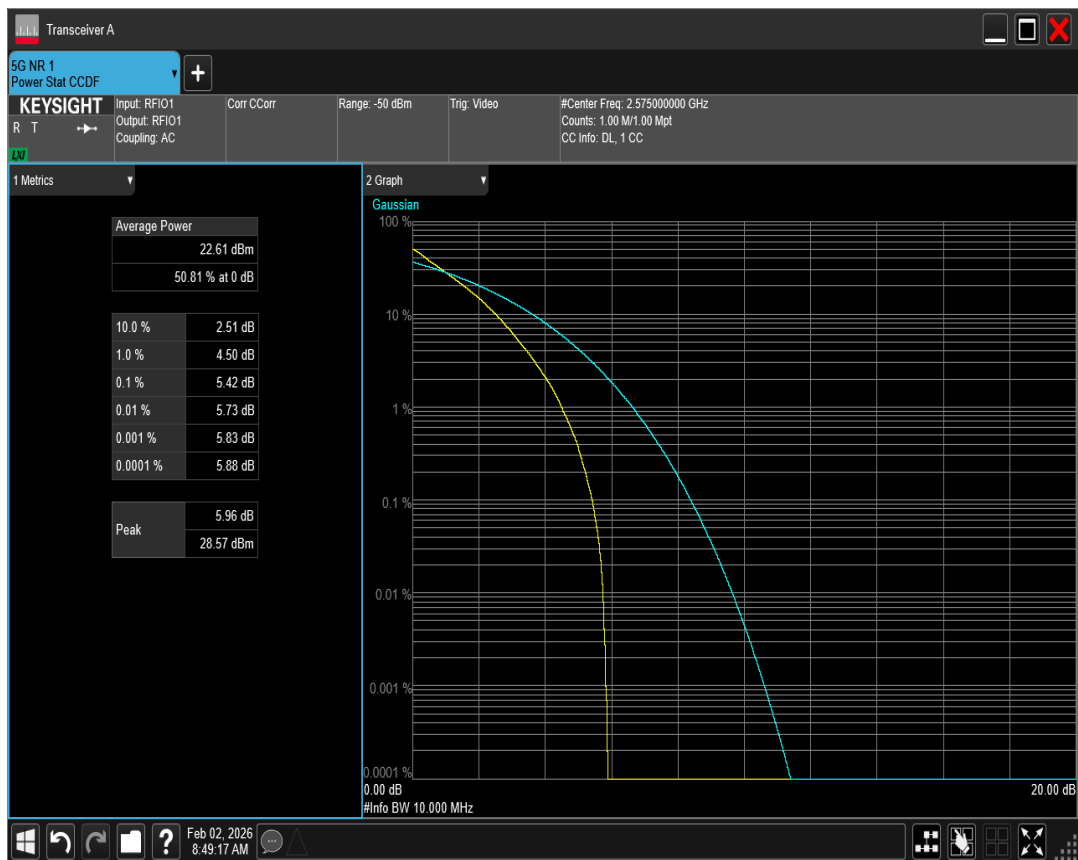
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



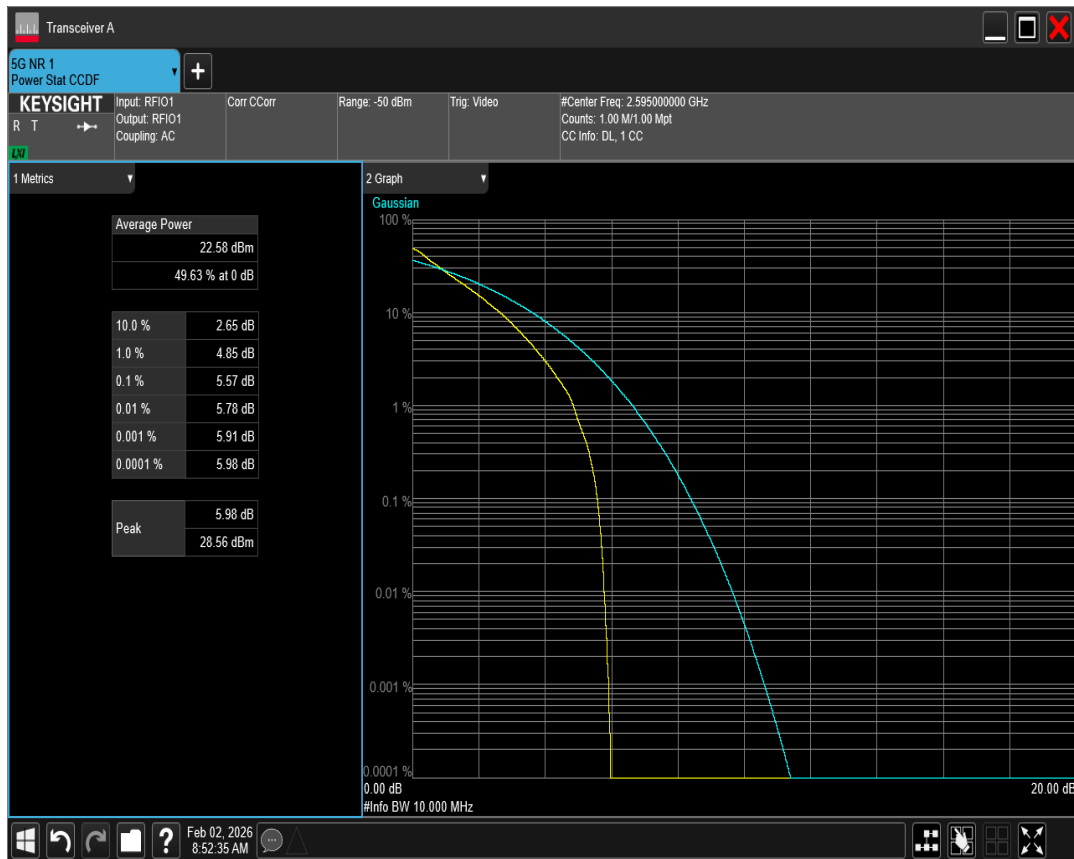
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



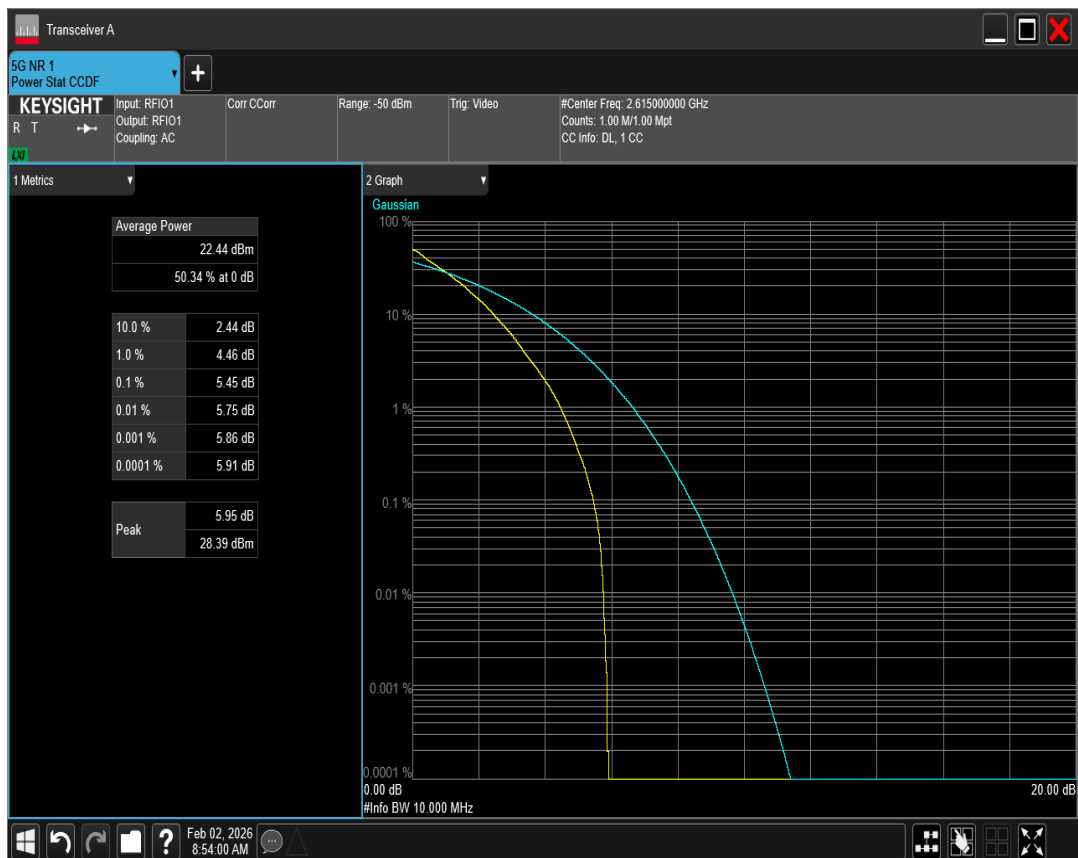
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



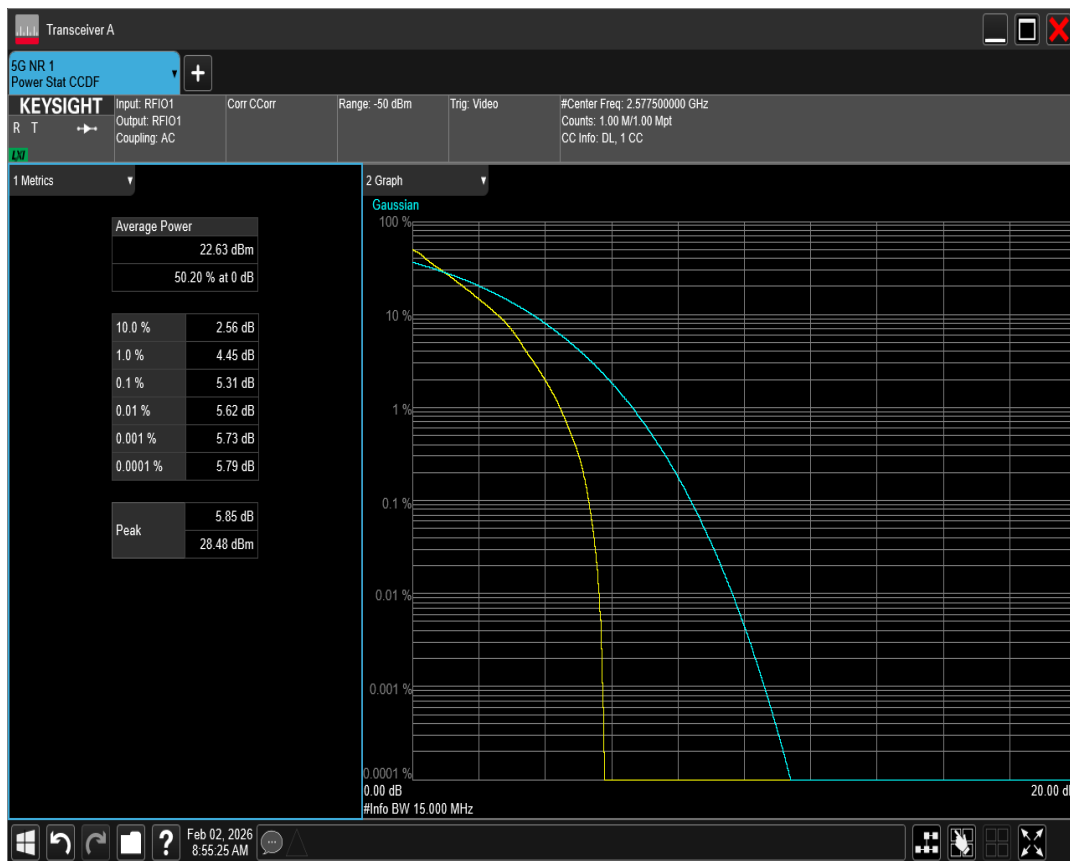
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



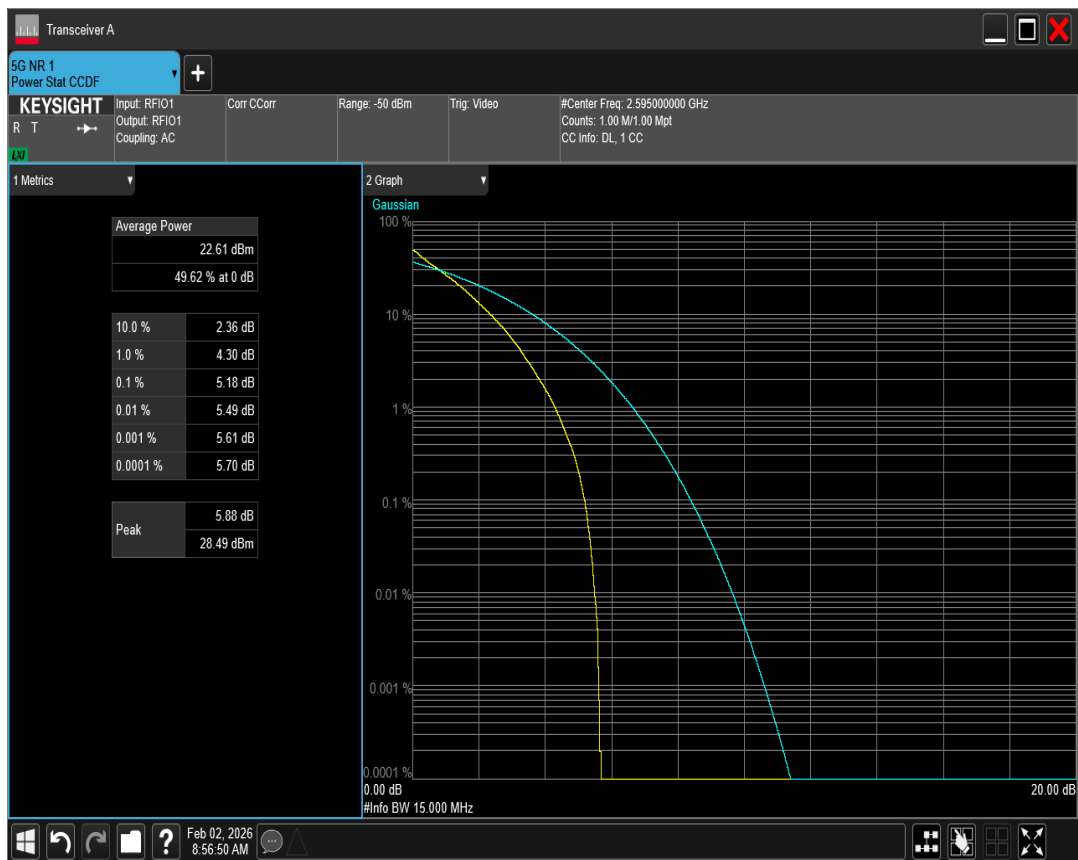
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



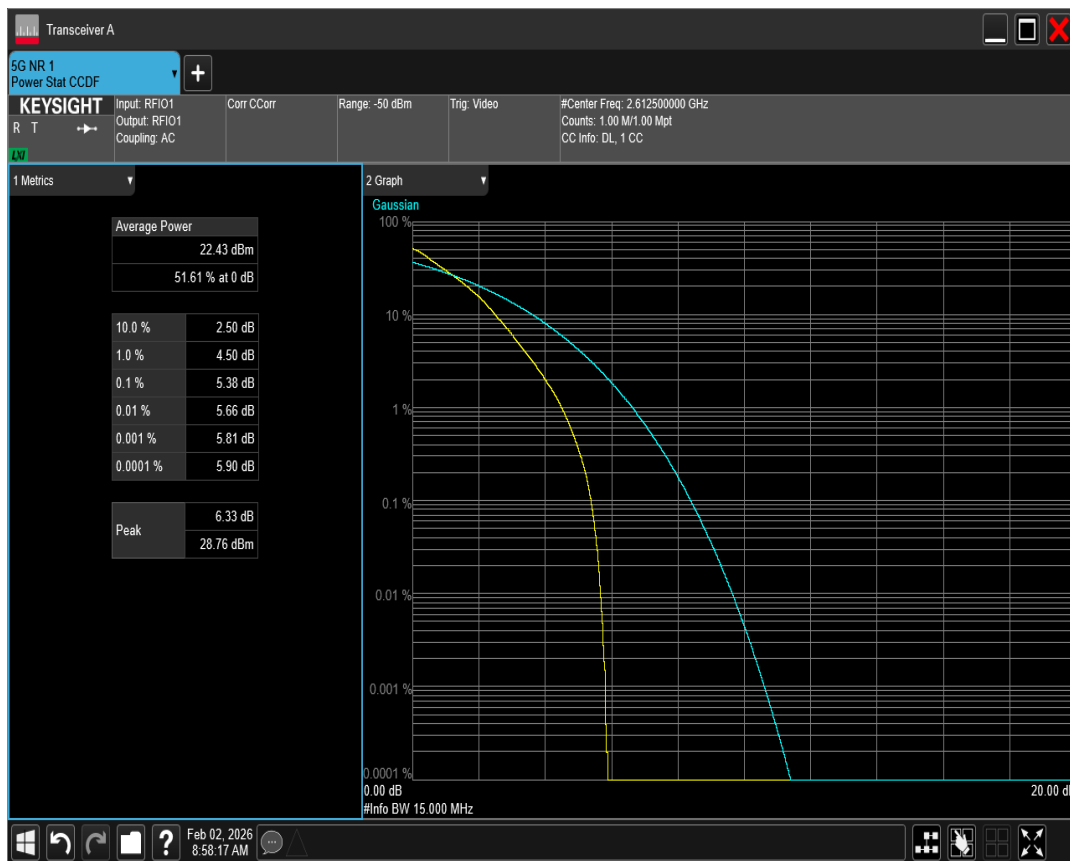
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



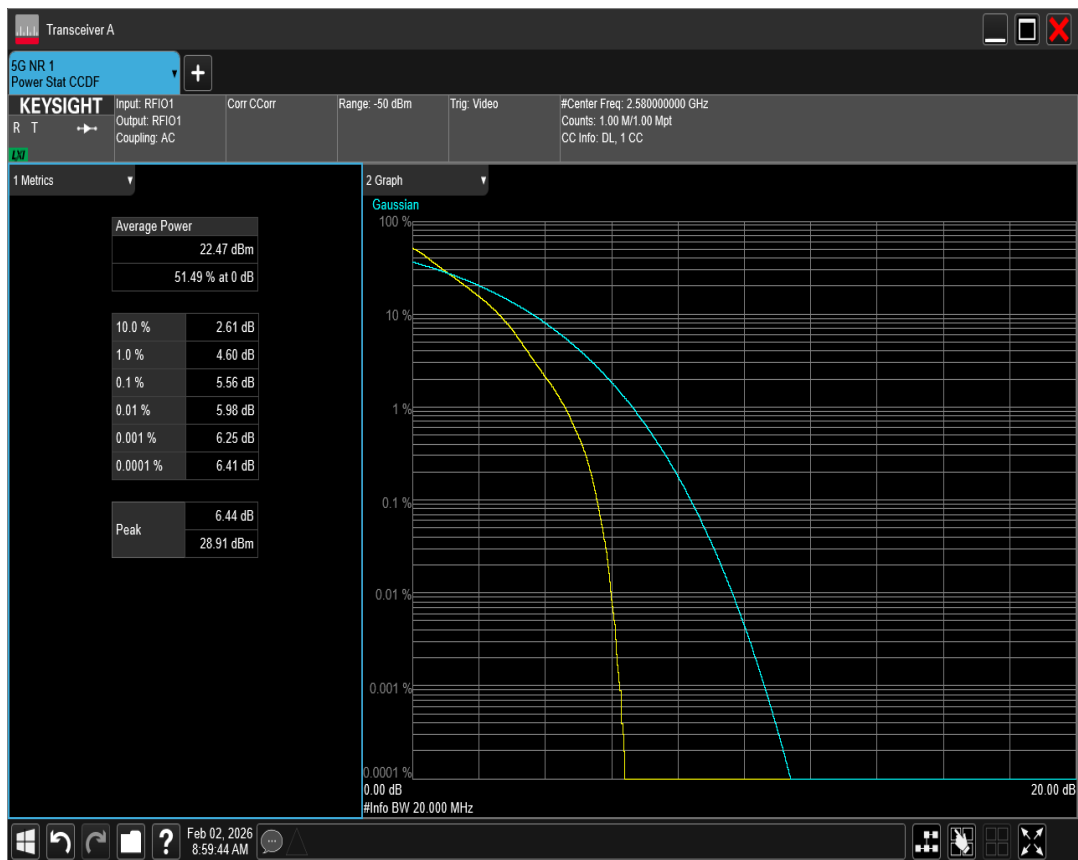
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



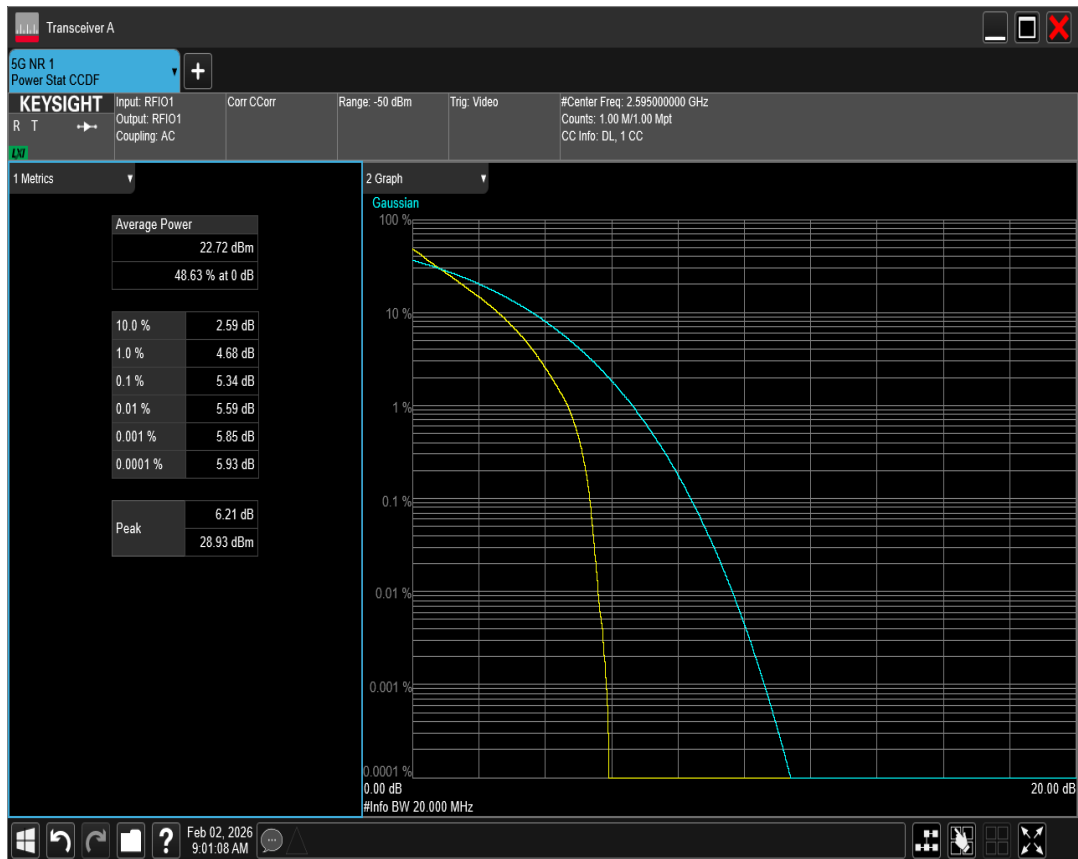
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



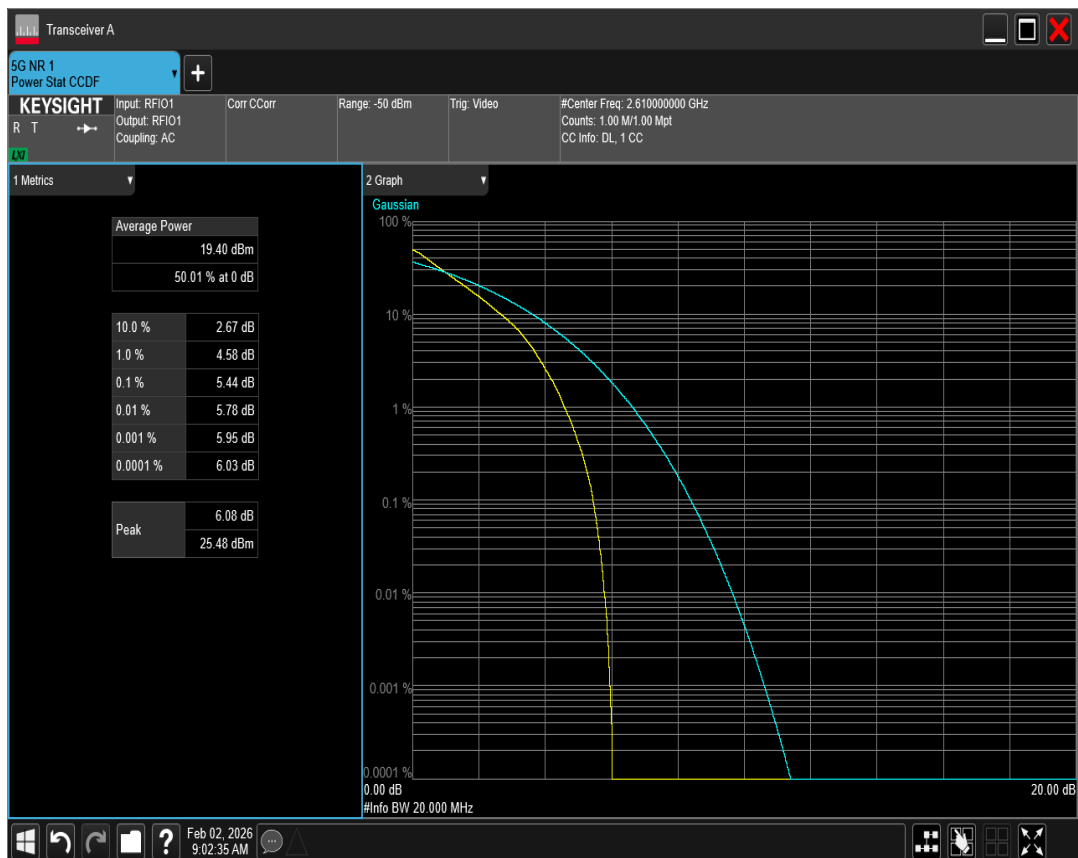
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=522000 RB=50@0



4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n38	30	10	519000	24@0	DFT_BPSK	8.540	8.840	PASS
n38	30	10	519000	24@0	DFT_QPSK	8.570	9.020	PASS
n38	30	10	519000	24@0	DFT_QAM16	8.550	8.890	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.570	8.950	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.570	8.870	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.370	13.300	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.460	13.280	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.440	13.280	PASS
n38	30	15	519000	36@0	DFT_QAM64	13.420	13.240	PASS
n38	30	15	519000	36@0	DFT_QAM256	13.360	13.260	PASS
n38	30	20	519000	50@0	DFT_BPSK	18.030	18.340	PASS
n38	30	20	519000	50@0	DFT_QPSK	18.040	18.280	PASS
n38	30	20	519000	50@0	DFT_QAM16	18.080	18.300	PASS
n38	30	20	519000	50@0	DFT_QAM64	18.030	18.270	PASS
n38	30	20	519000	50@0	DFT_QAM256	18.010	18.250	PASS

n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=519000 RB=36@0



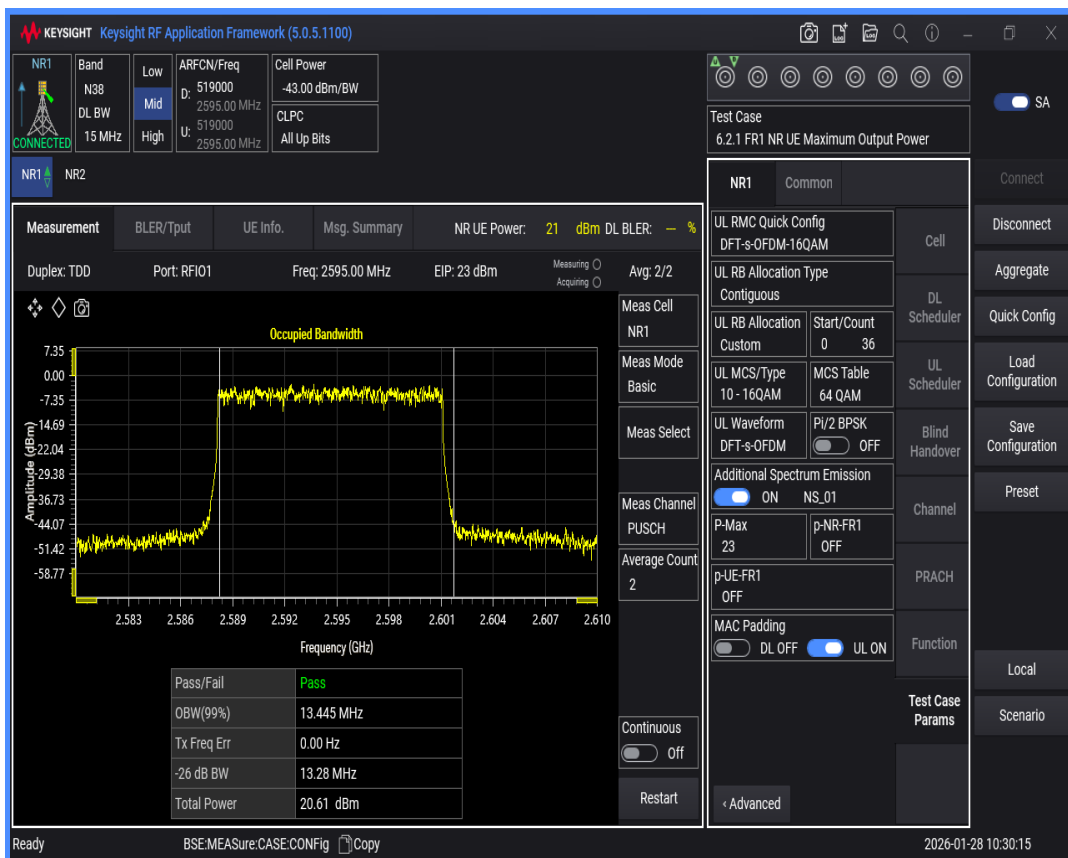
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



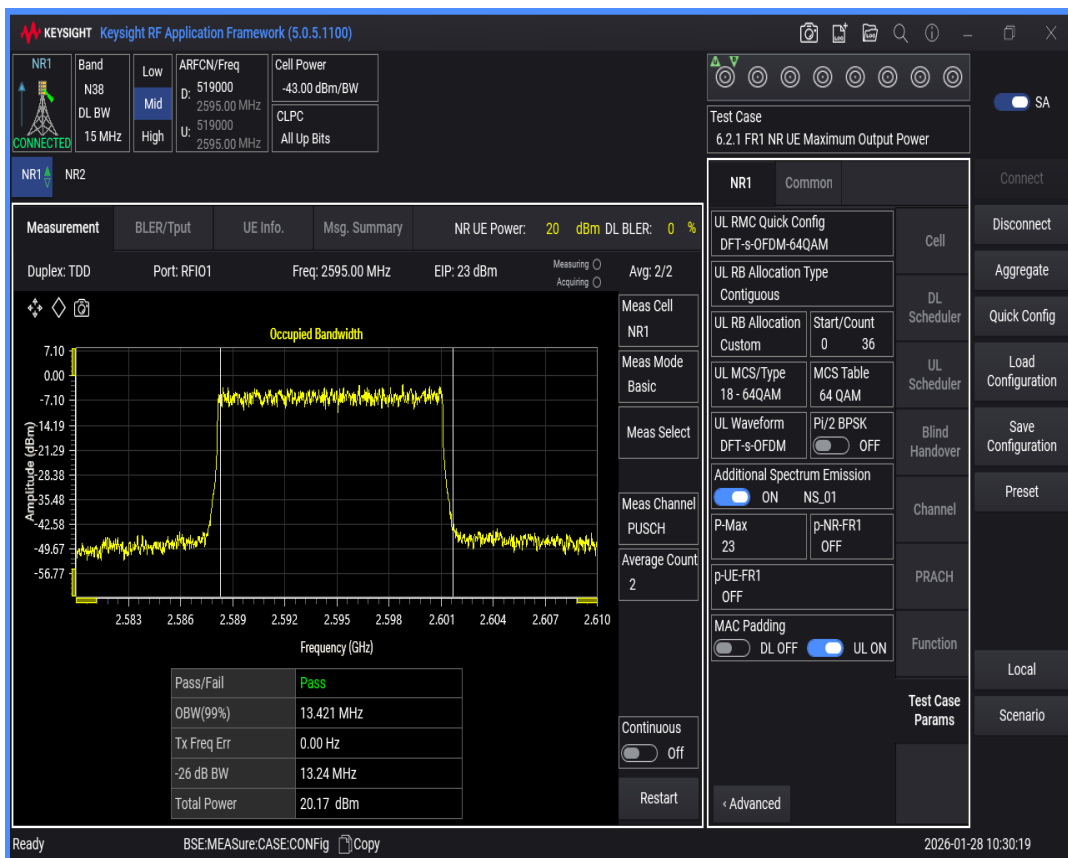
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



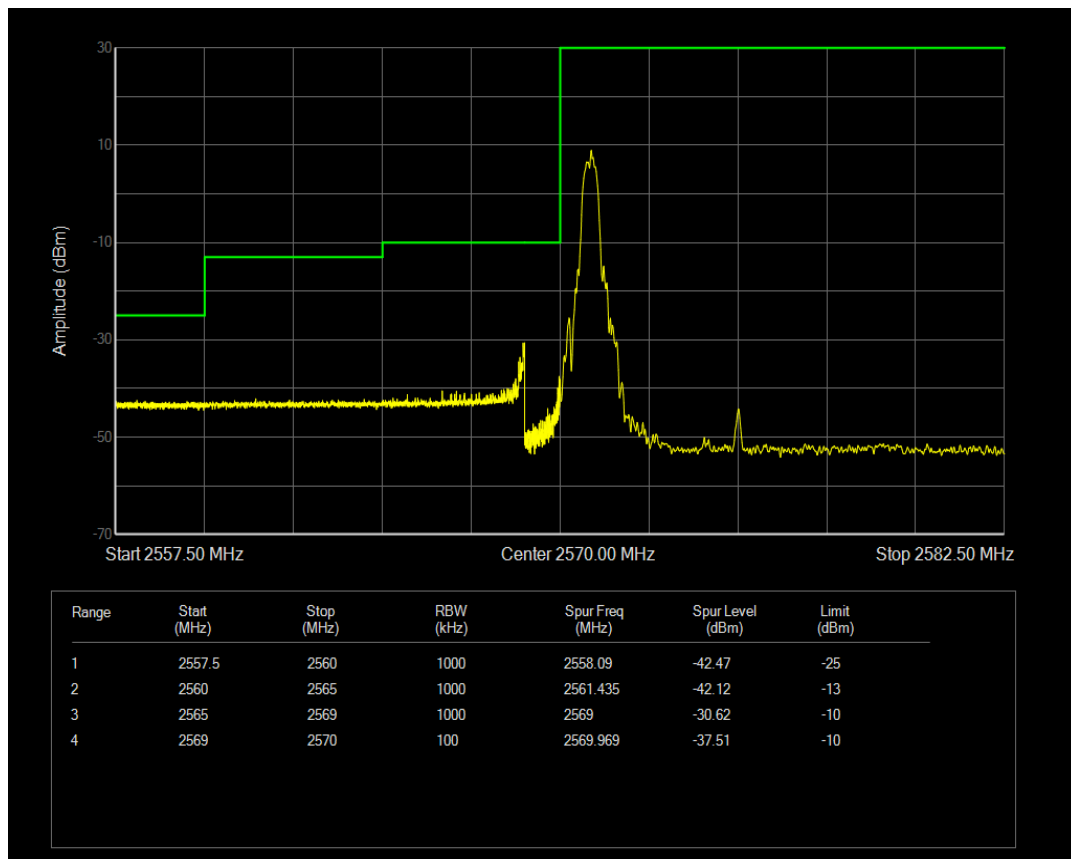
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	2559.96	-40.04	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	2558.09	-42.47	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2558.10	-42.61	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2630.32	-38.46	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	2632.50	-42.27	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	2631.58	-42.24	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	2554.75	-40.53	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2554.81	-42.51	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2552.40	-42.63	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2635.41	-38.83	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	2637.40	-42.18	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2636.98	-42.23	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2549.28	-41.24	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	2545.26	-42.57	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2548.34	-42.65	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	2640.28	-38.51	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	2643.80	-41.98	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	2642.88	-42.25	-25	PASS

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@0

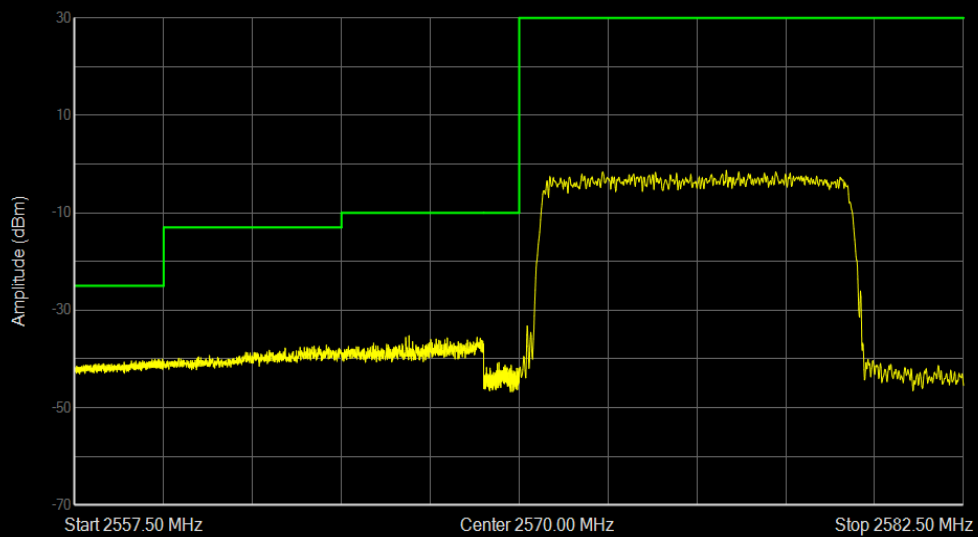


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23



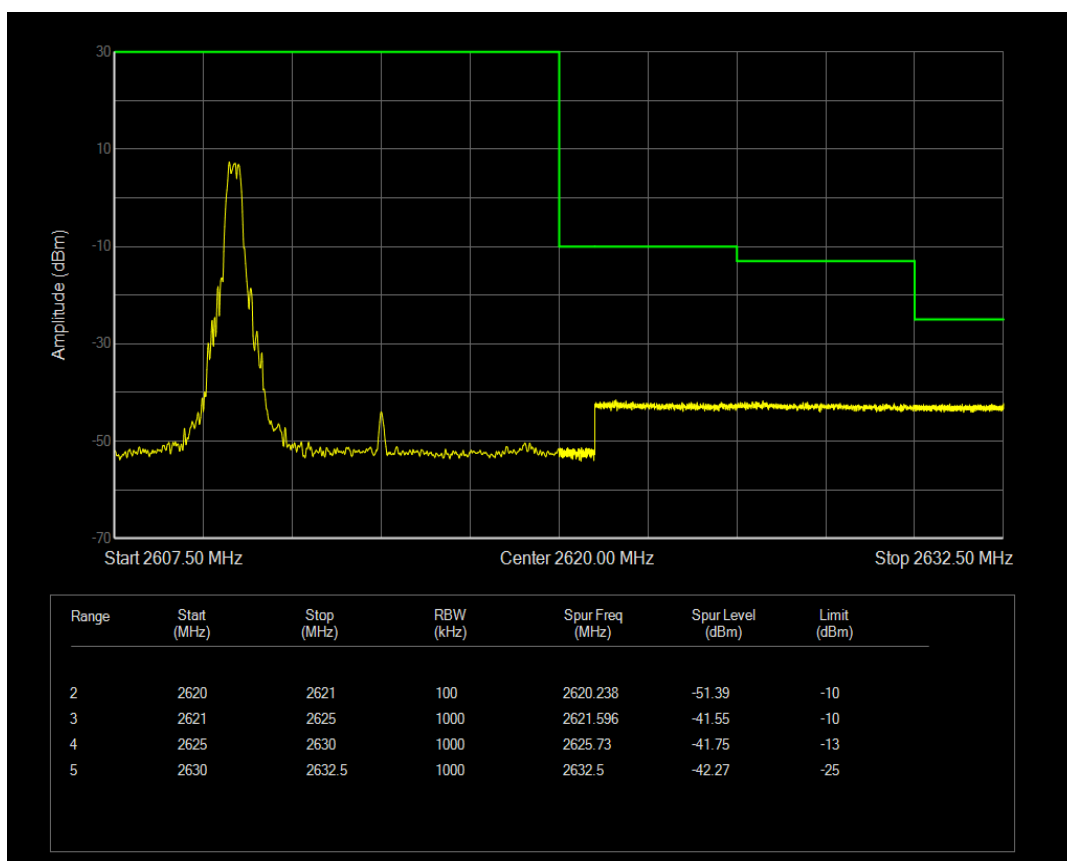
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2558.1025	-42.61	-25
2	2560	2565	1000	2564.395	-41.98	-13
3	2565	2569	1000	2568.6	-41.81	-10
4	2569	2570	100	2569.105	-51.52	-10

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0

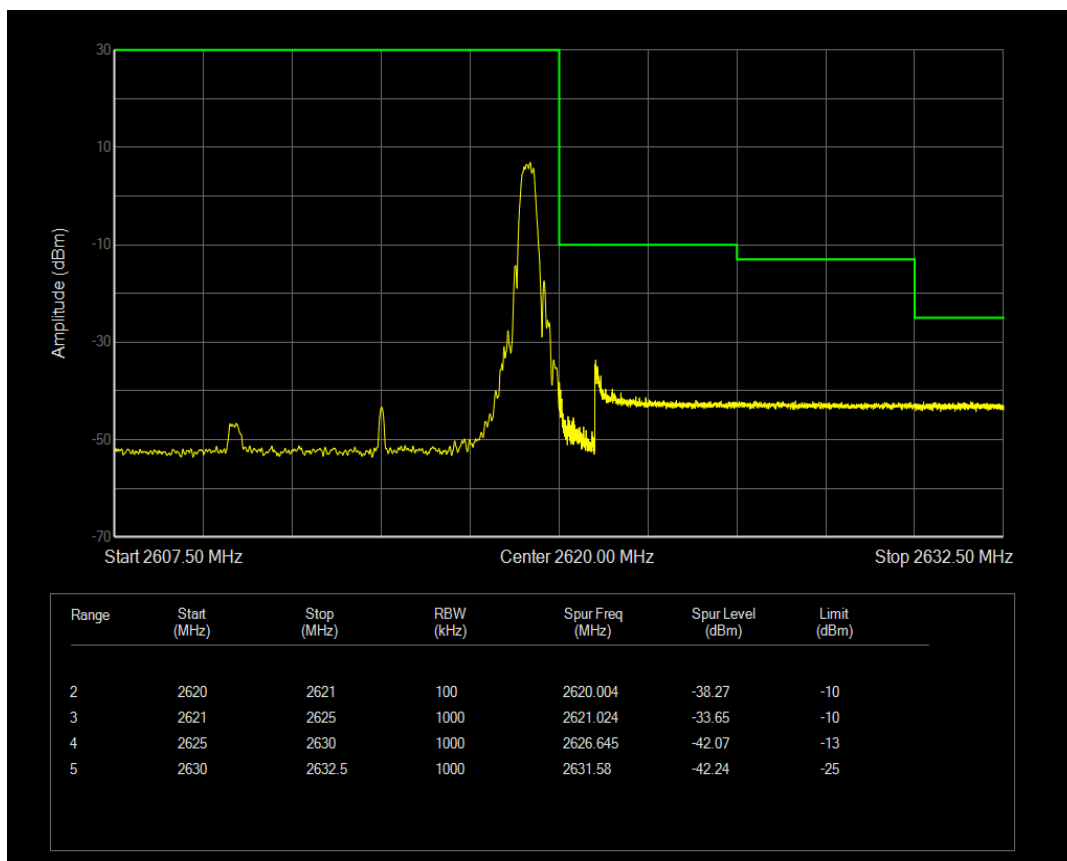


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.9625	-40.04	-25
2	2560	2565	1000	2564.575	-37.16	-13
3	2565	2569	1000	2566.9	-35.22	-10
4	2569	2570	200	2569.428	-40.72	-10

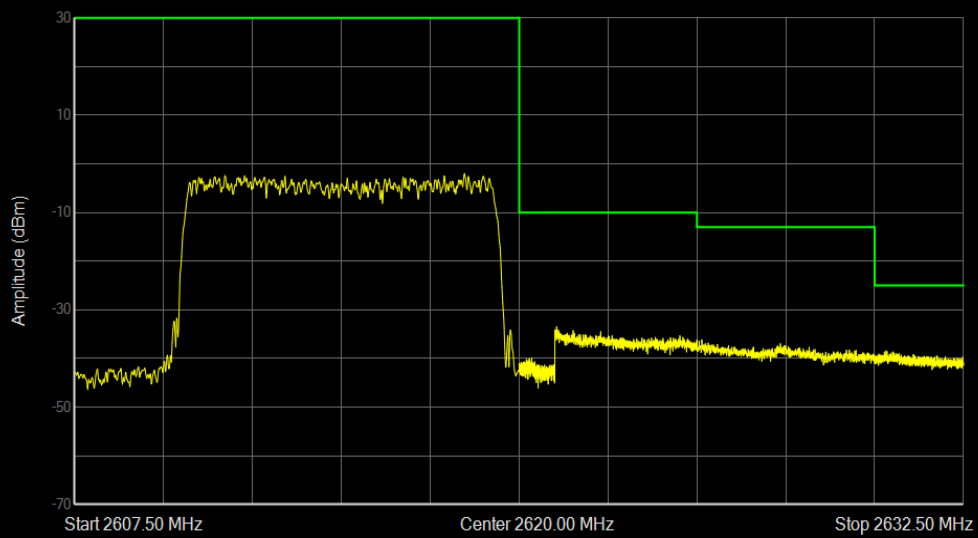
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0



n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23

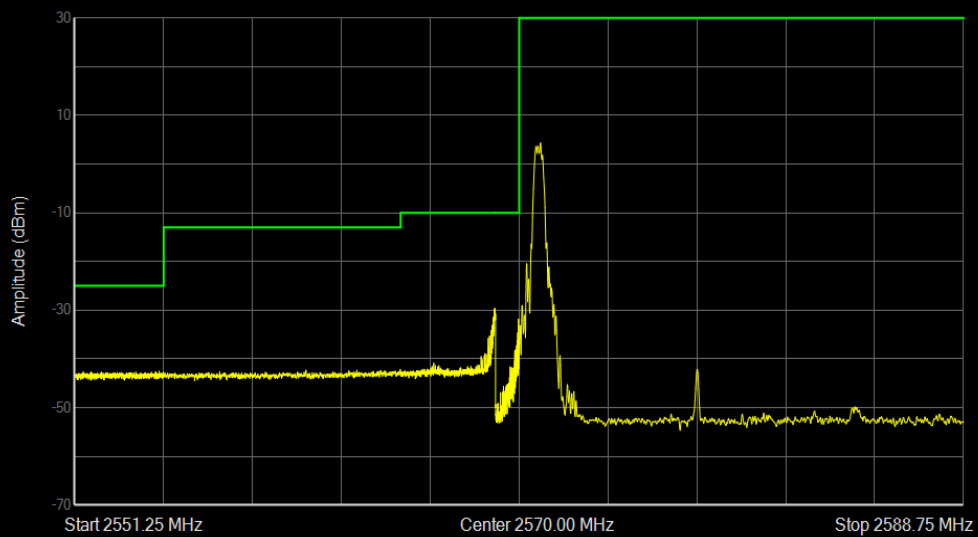


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0



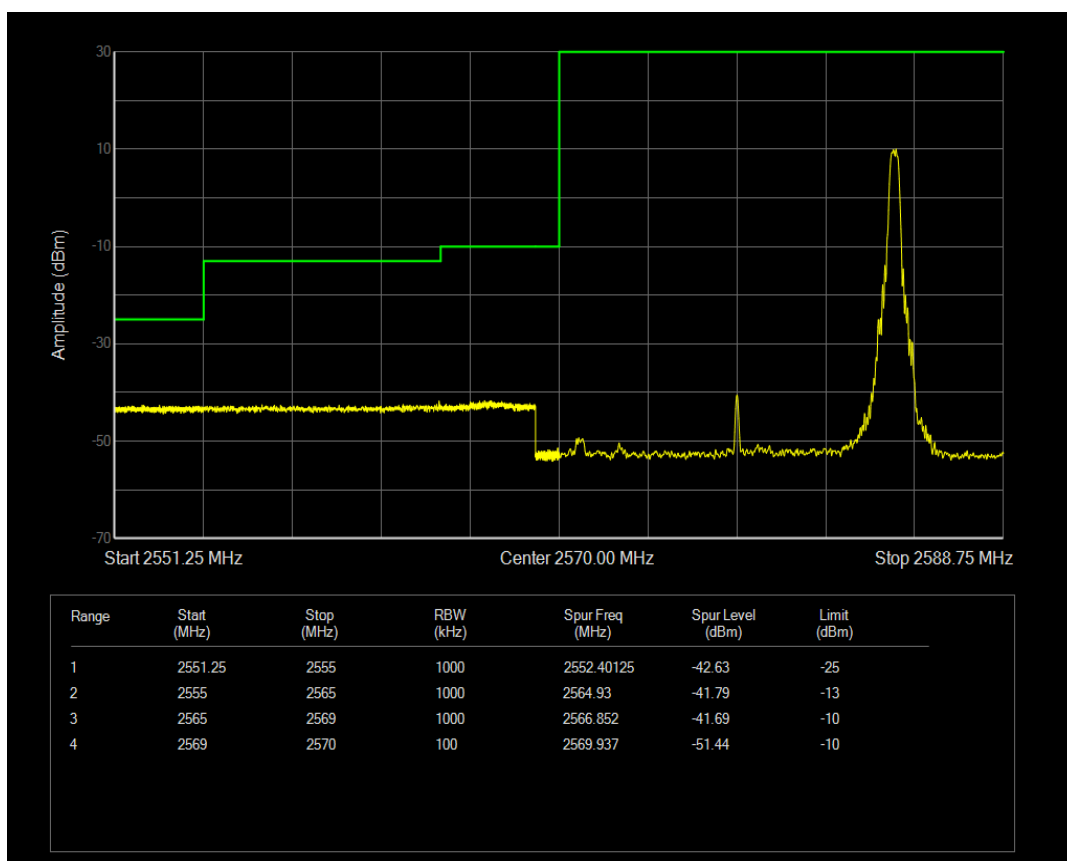
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	200	2620.355	-39.88	-10
3	2621	2625	1000	2621.052	-33.47	-10
4	2625	2630	1000	2625.135	-36.14	-13
5	2630	2632.5	1000	2630.32	-38.46	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@0

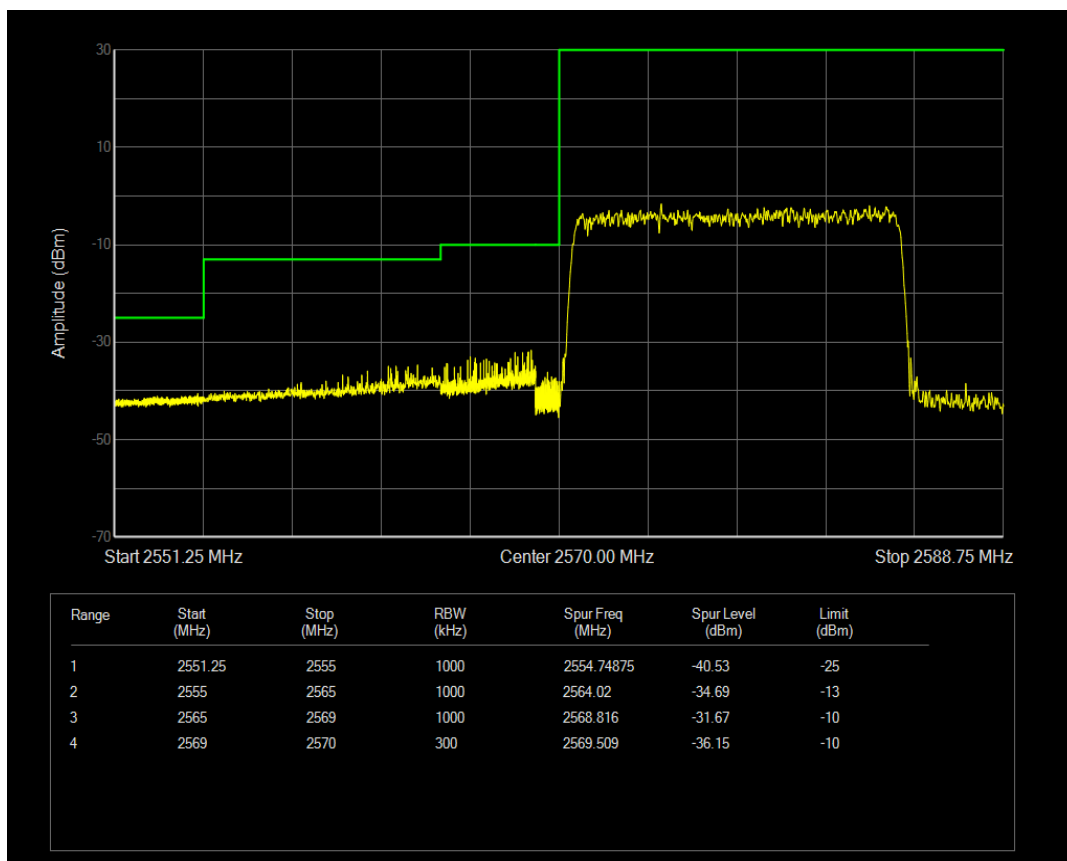


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.805	-42.51	-25
2	2555	2565	1000	2564.98	-42.16	-13
3	2565	2569	1000	2568.976	-29.63	-10
4	2569	2570	100	2569.969	-31.82	-10

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37



n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0

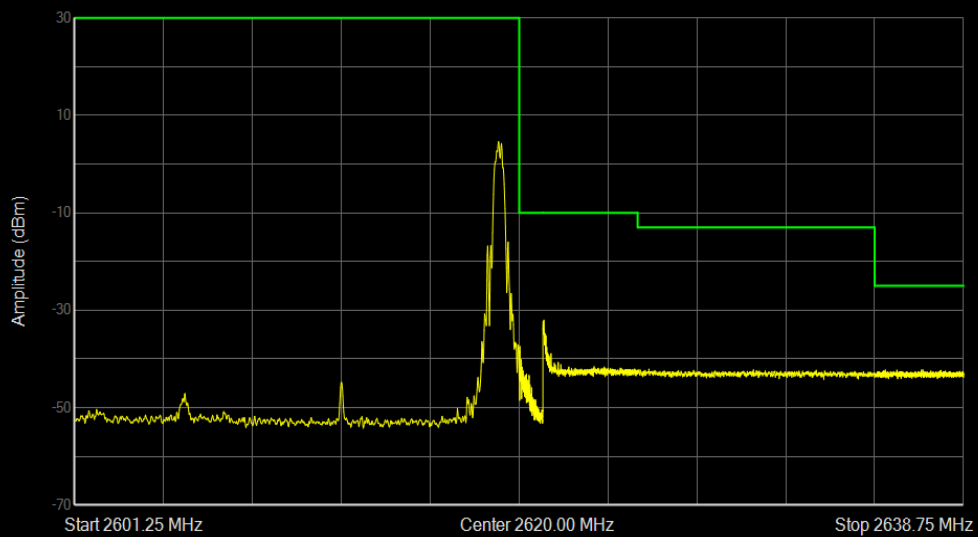


n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.637	-51.26	-10
3	2621	2625	1000	2622.364	-41.51	-10
4	2625	2635	1000	2625.54	-41.75	-13
5	2635	2638.75	1000	2637.40375	-42.18	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@37



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.025	-37.42	-10
3	2621	2625	1000	2621.04	-32.02	-10
4	2625	2635	1000	2625.47	-42.09	-13
5	2635	2638.75	1000	2636.98	-42.23	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0

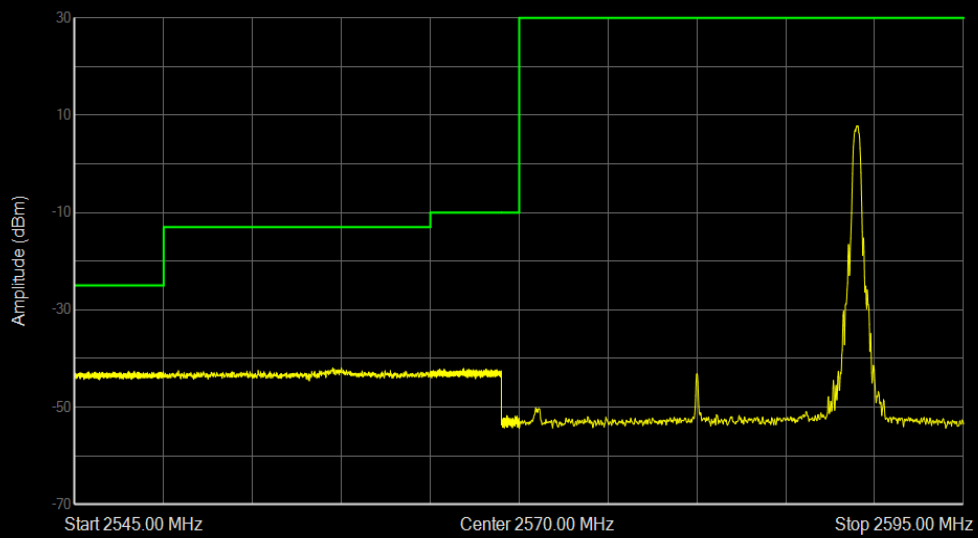


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	300	2620.246	-37.28	-10
3	2621	2625	1000	2621.044	-33.17	-10
4	2625	2635	1000	2625.82	-34.48	-13
5	2635	2638.75	1000	2635.40875	-38.83	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2545.255	-42.57	-25
2	2550	2565	1000	2556.03	-42.4	-13
3	2565	2569	1000	2568.908	-36.17	-10
4	2569	2570	100	2569.884	-43.17	-10

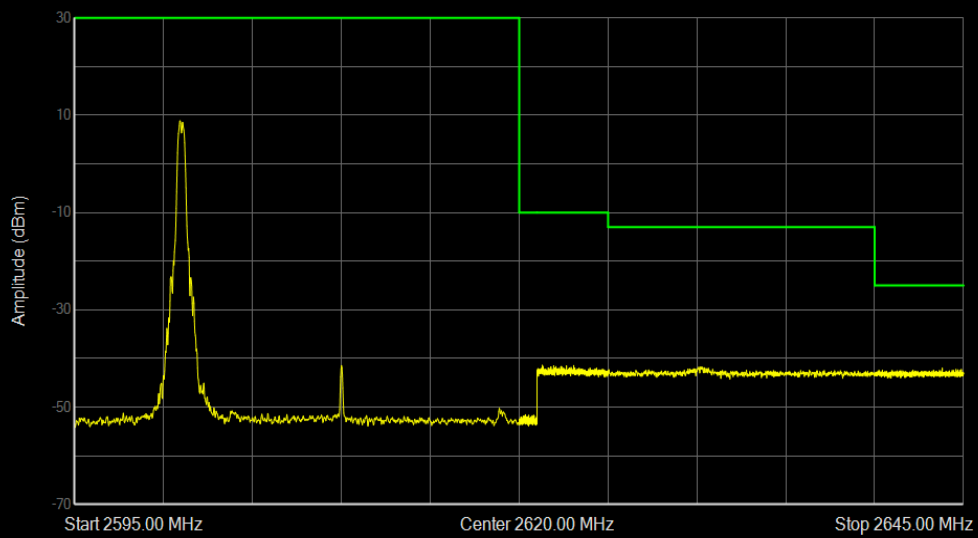
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@50

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2548.34	-42.65	-25
2	2550	2565	1000	2559.51	-41.92	-13
3	2565	2569	1000	2566.884	-42.06	-10
4	2569	2570	100	2569.314	-51.75	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0

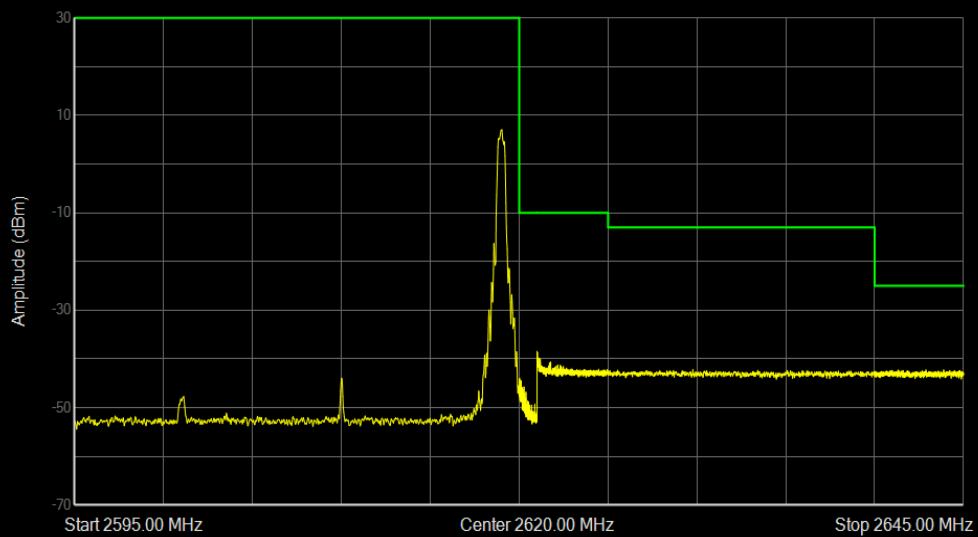
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.275	-41.24	-25
2	2550	2565	1000	2557.935	-37.73	-13
3	2565	2569	1000	2568.388	-33.75	-10
4	2569	2570	430	2569.232	-37.18	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0



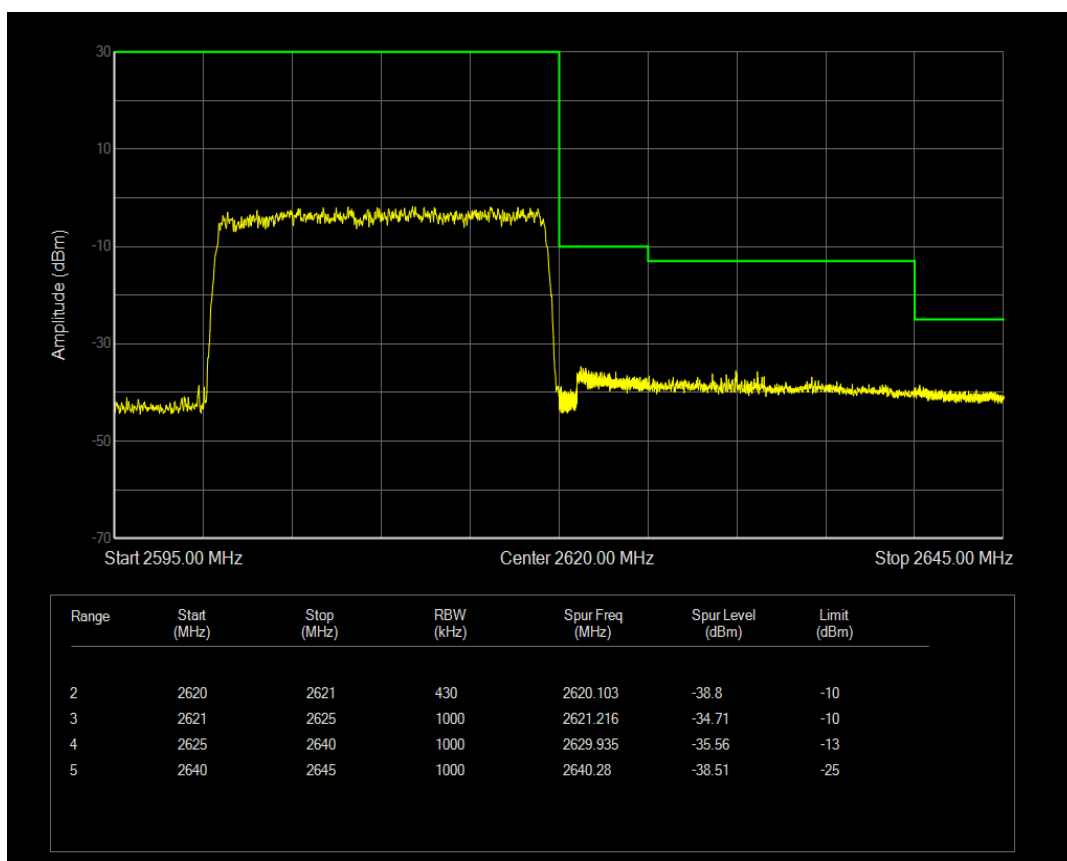
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.349	-51.55	-10
3	2621	2625	1000	2621.304	-41.38	-10
4	2625	2640	1000	2630.19	-41.78	-13
5	2640	2645	1000	2643.8	-41.98	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@50



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.02	-44.01	-10
3	2621	2625	1000	2621.02	-38.65	-10
4	2625	2640	1000	2629.77	-42.18	-13
5	2640	2645	1000	2642.88	-42.25	-25

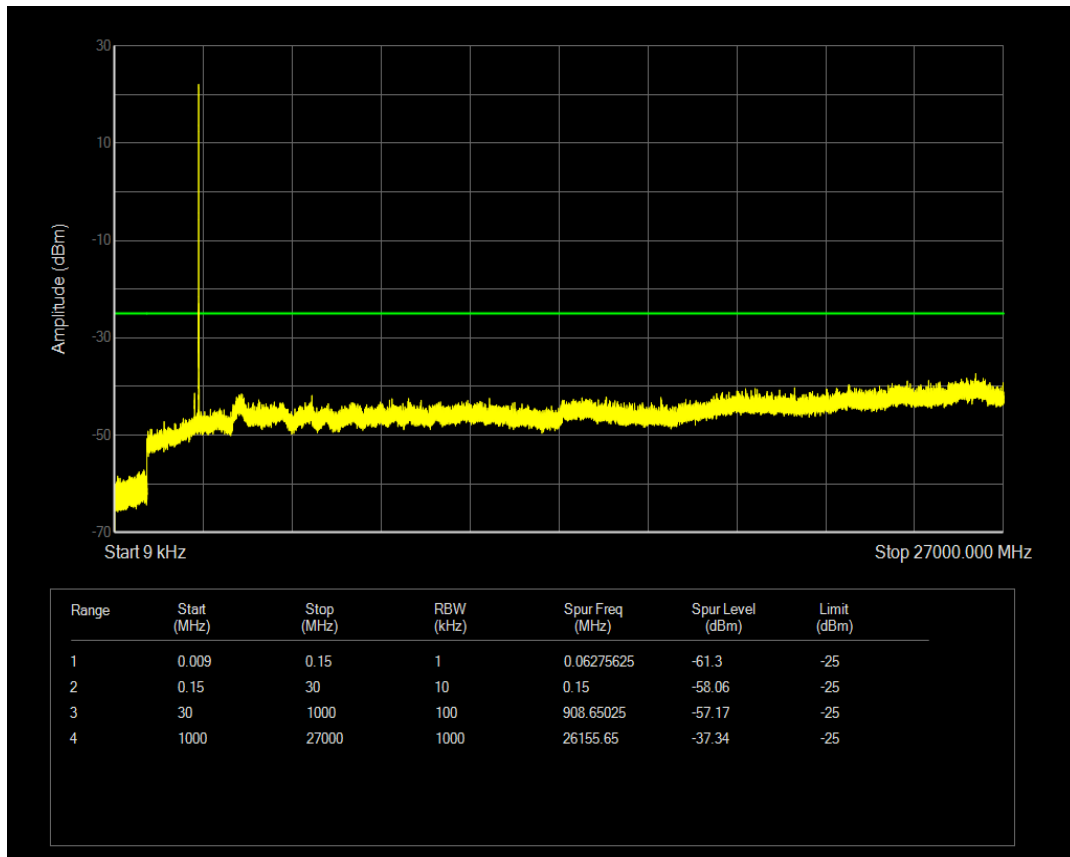
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0

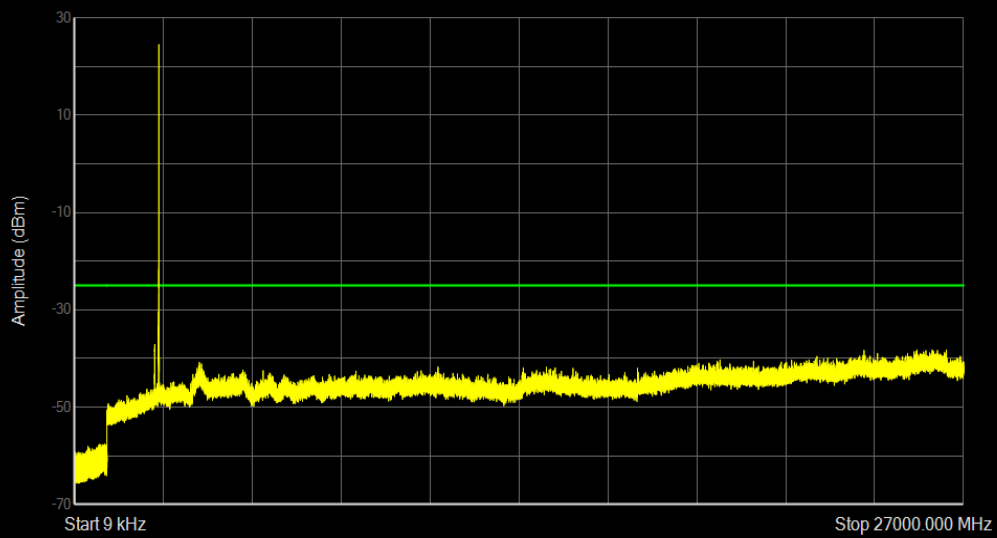


6 Out-of-band emissions for NR FR1

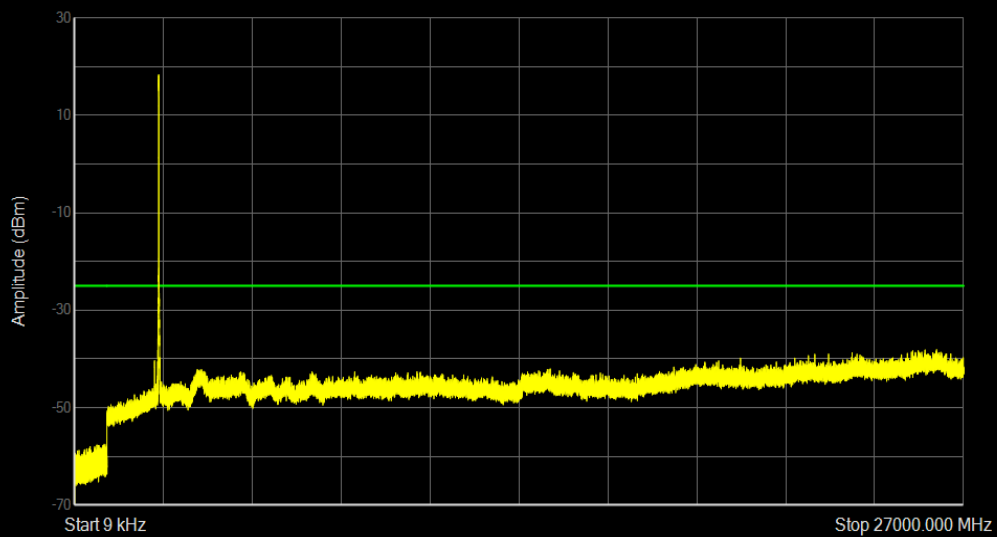
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	26179.70	-38.10	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	26155.65	-37.34	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2454.05	-37.11	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2453.40	-35.50	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	26015.90	-37.38	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	26418.25	-37.81	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	25921.00	-38.13	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2453.40	-37.08	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2452.75	-37.43	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2454.05	-36.88	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	24965.50	-37.56	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2453.40	-37.65	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2452.75	-37.54	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	25513.45	-38.15	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2453.40	-35.61	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	26213.50	-37.64	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	26396.80	-37.90	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	26299.95	-38.27	-25	PASS

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@0



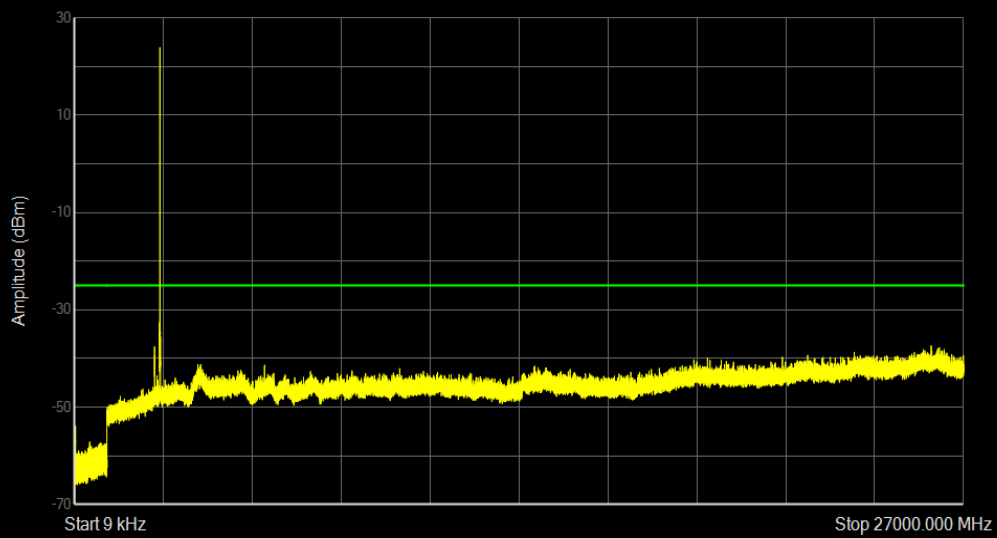
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06278445	-61.67	-25
2	0.15	30	10	0.16194	-56.63	-25
3	30	1000	100	934.98575	-57.58	-25
4	1000	27000	1000	2454.05	-37.11	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0

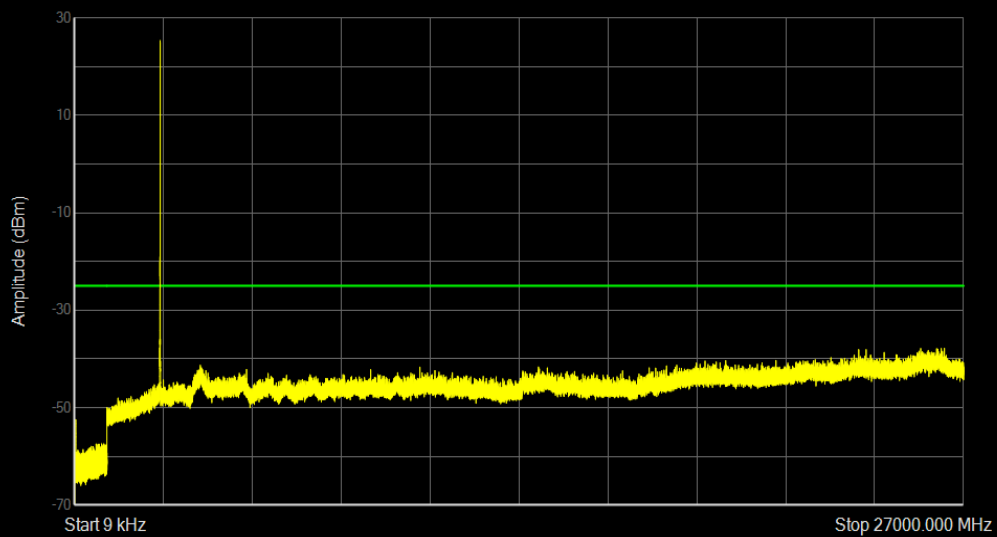
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0627633	-61.19	-25
2	0.15	30	10	0.1514925	-57.86	-25
3	30	1000	100	947.3775	-57.55	-25
4	1000	27000	1000	26179.7	-38.1	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0



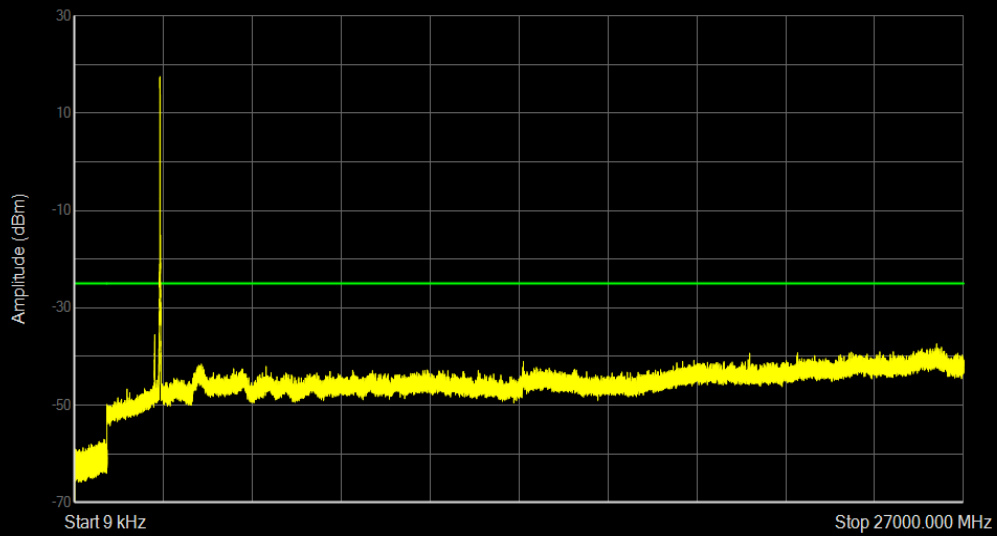
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0628479	-60.55	-25
2	0.15	30	10	0.15671625	-57.47	-25
3	30	1000	100	49.5455	-53.91	-25
4	1000	27000	1000	26015.9	-37.38	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23



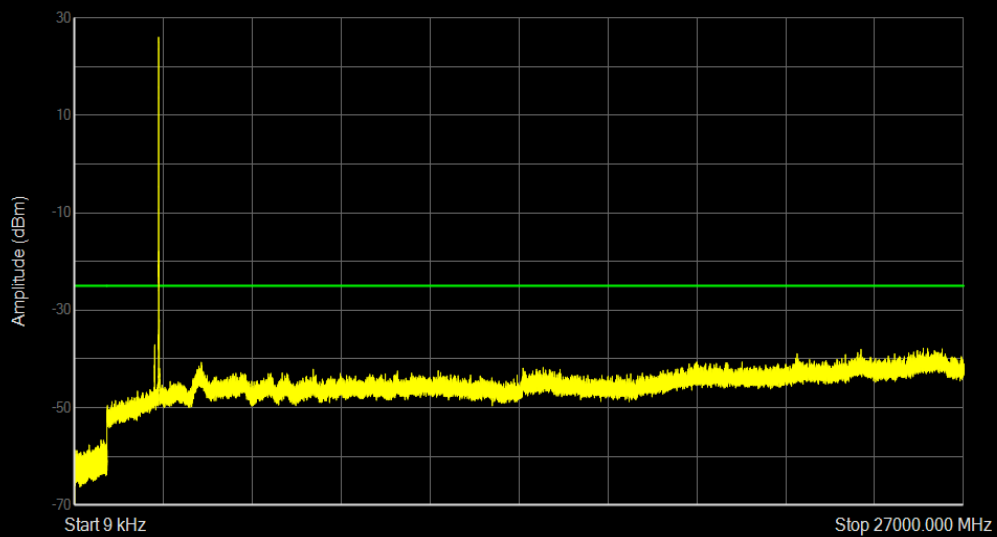
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06286905	-61.02	-25
2	0.15	30	10	0.15597	-58.75	-25
3	30	1000	100	57.839	-52.45	-25
4	1000	27000	1000	26418.25	-37.81	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0



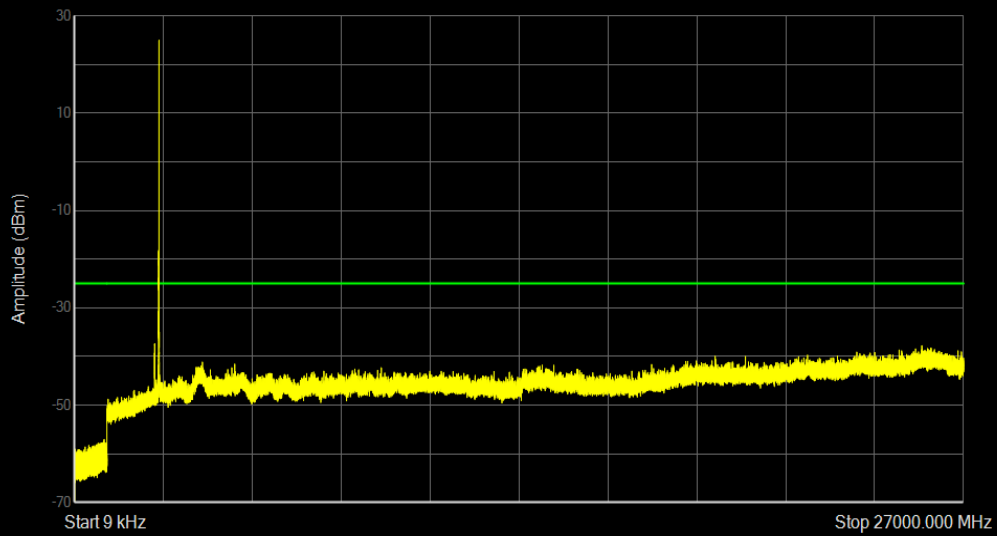
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062710425	-61.08	-25
2	0.15	30	10	0.1574625	-58.14	-25
3	30	1000	100	915.5615	-57.03	-25
4	1000	27000	1000	2453.4	-35.5	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@0



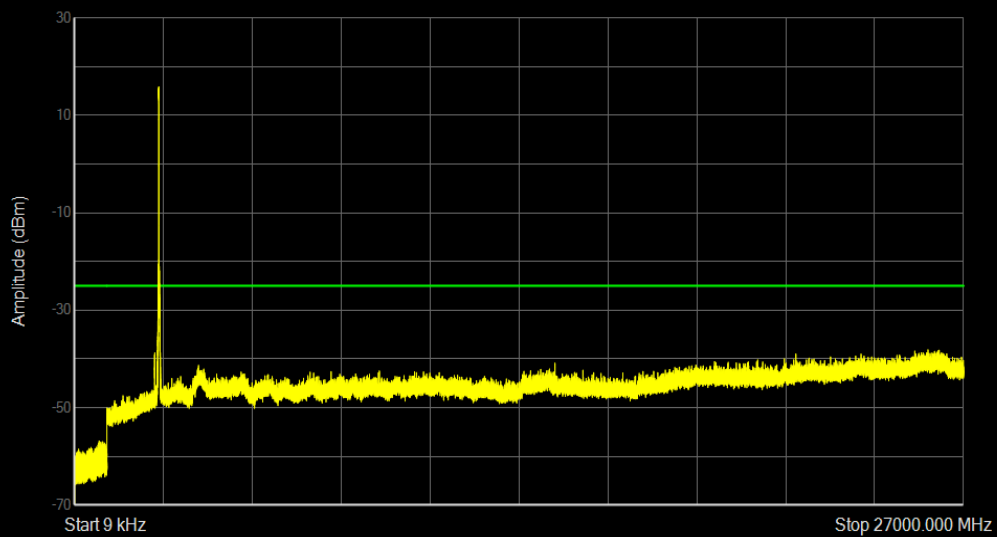
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0626505	-61.07	-25
2	0.15	30	10	0.16567125	-57.06	-25
3	30	1000	100	823.4115	-56.65	-25
4	1000	27000	1000	2453.4	-37.08	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37



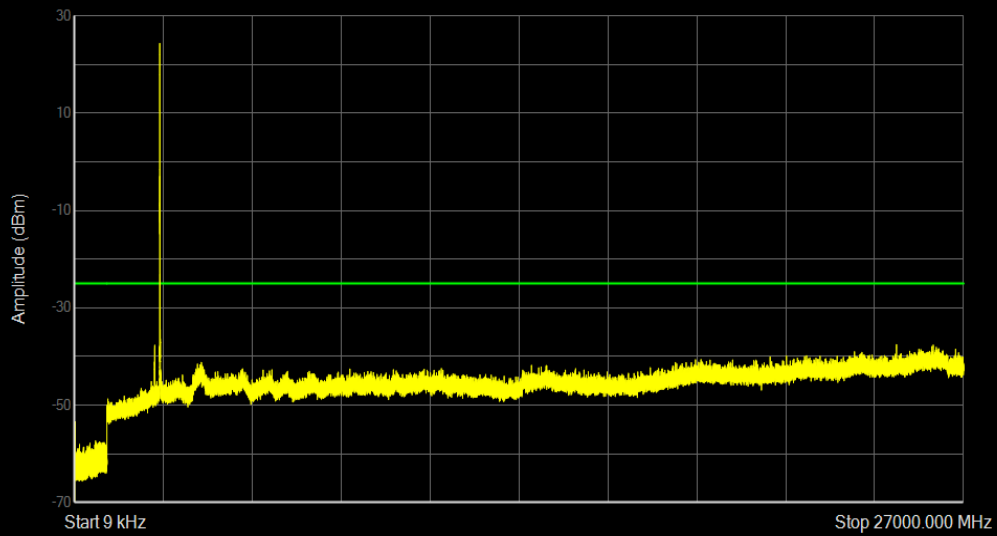
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0624813	-60.13	-25
2	0.15	30	10	0.17910375	-57.22	-25
3	30	1000	100	918.39875	-57.05	-25
4	1000	27000	1000	2452.75	-37.43	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0



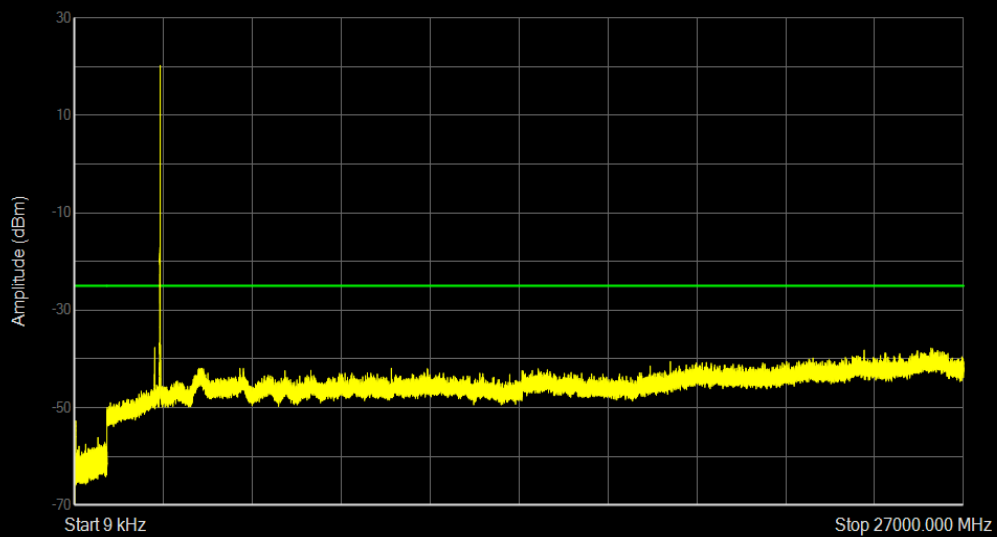
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062668125	-61.65	-25
2	0.15	30	10	0.158955	-57.91	-25
3	30	1000	100	767.491	-56.85	-25
4	1000	27000	1000	25921	-38.13	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@0



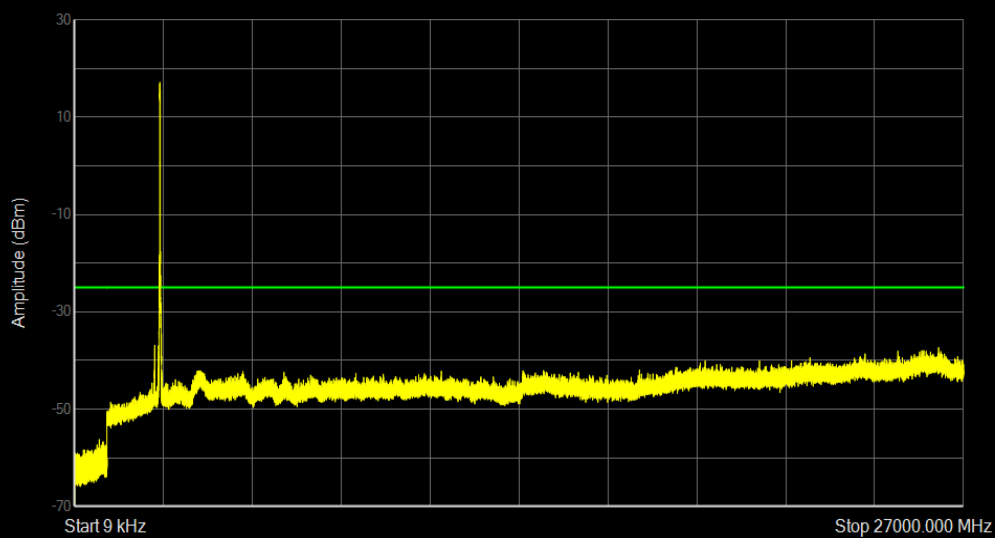
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06275625	-60.12	-25
2	0.15	30	10	0.15	-58.99	-25
3	30	1000	100	44.57425	-53.39	-25
4	1000	27000	1000	24965.5	-37.56	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@37



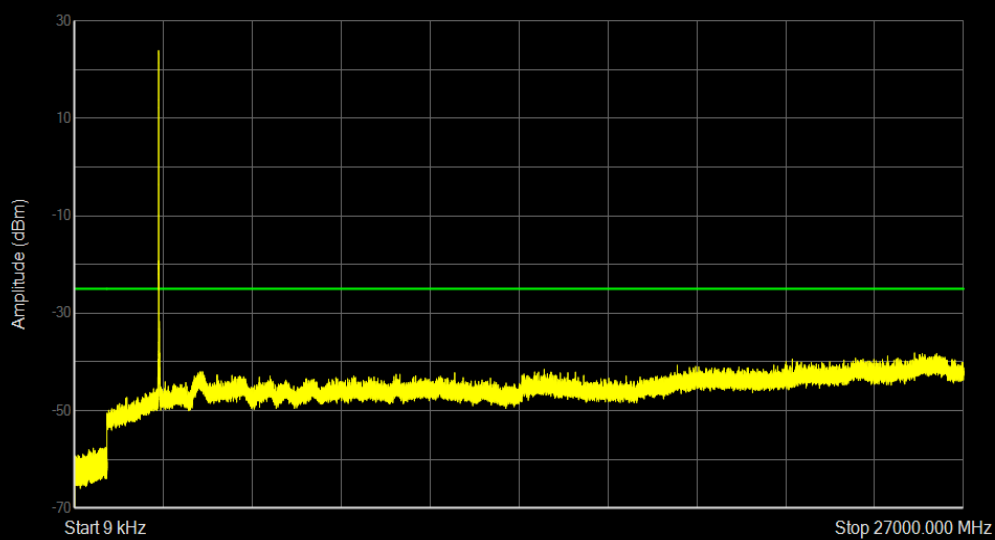
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06289725	-61.51	-25
2	0.15	30	10	0.15223875	-58.63	-25
3	30	1000	100	57.8875	-52.71	-25
4	1000	27000	1000	2453.4	-37.65	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0



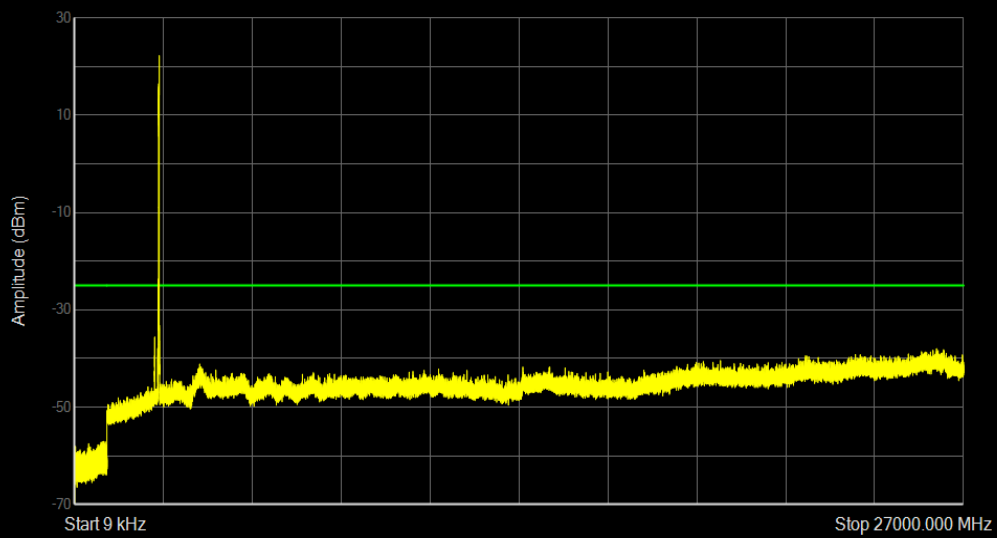
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0628479	-61.52	-25
2	0.15	30	10	0.15597	-58.37	-25
3	30	1000	100	770.8375	-56.25	-25
4	1000	27000	1000	2454.05	-36.88	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@0



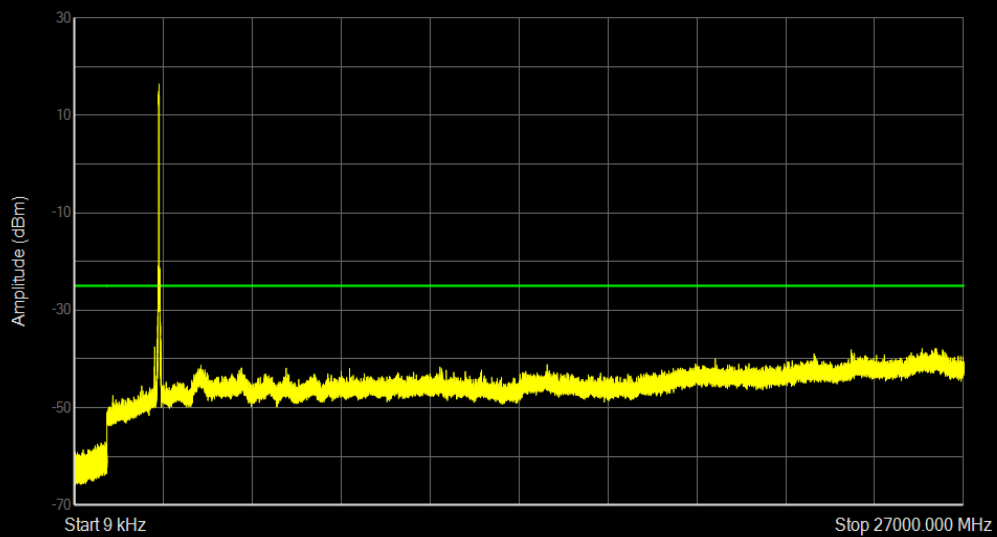
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062766825	-61.85	-25
2	0.15	30	10	0.16194	-58.74	-25
3	30	1000	100	958.193	-57.52	-25
4	1000	27000	1000	25513.45	-38.15	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@50



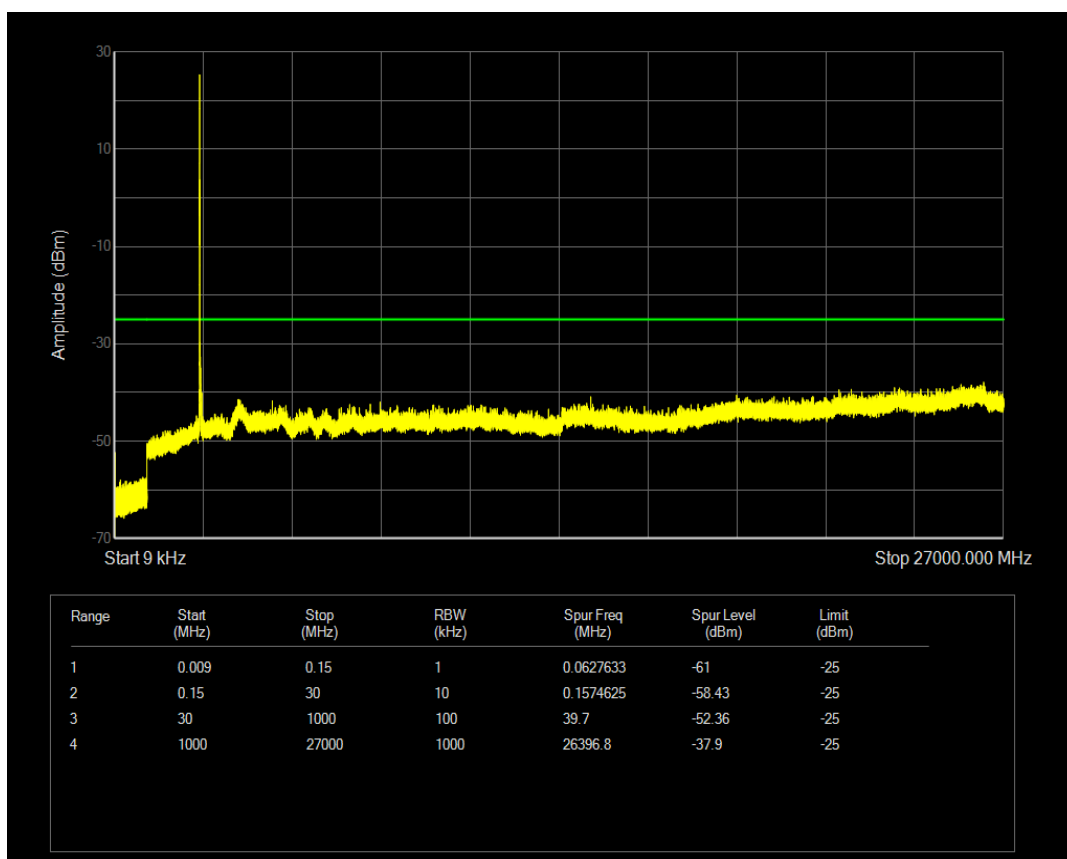
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06293955	-61.31	-25
2	0.15	30	10	0.15	-57.97	-25
3	30	1000	100	907.19525	-57.04	-25
4	1000	27000	1000	2453.4	-35.61	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0

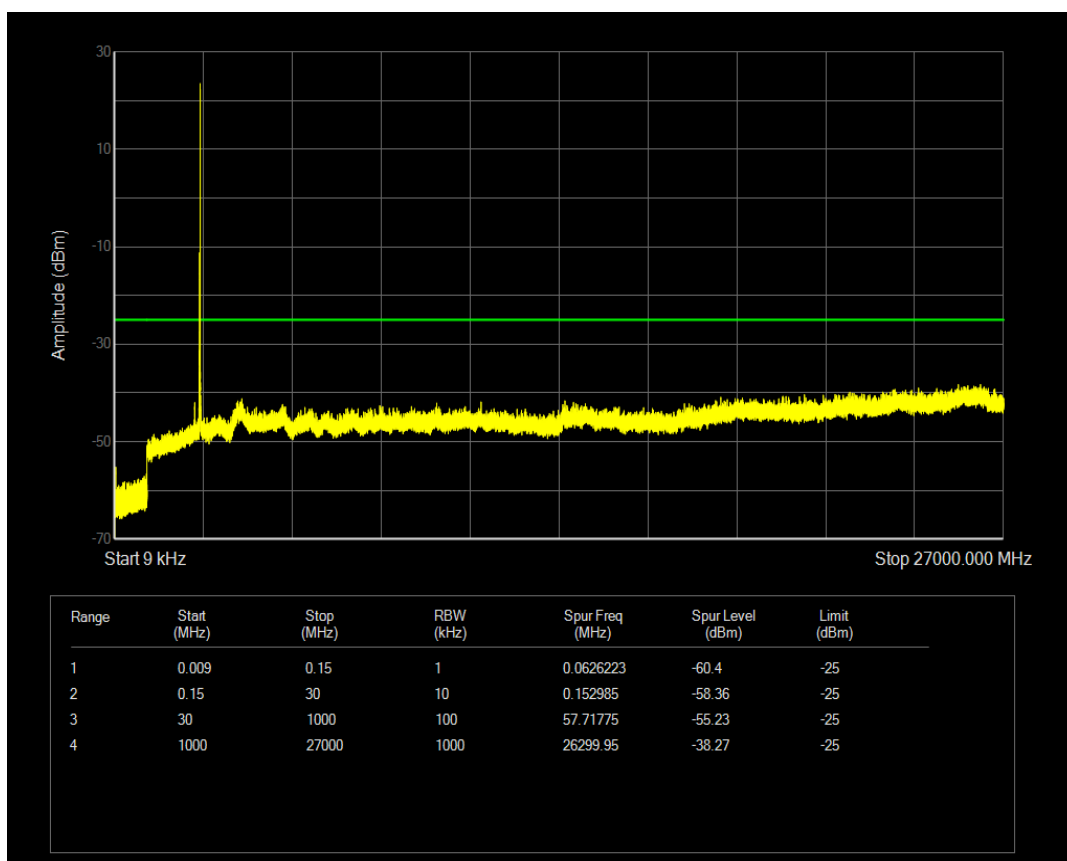


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062900775	-61.1	-25
2	0.15	30	10	0.15522375	-58.64	-25
3	30	1000	100	949.0265	-57.12	-25
4	1000	27000	1000	2452.75	-37.54	-25

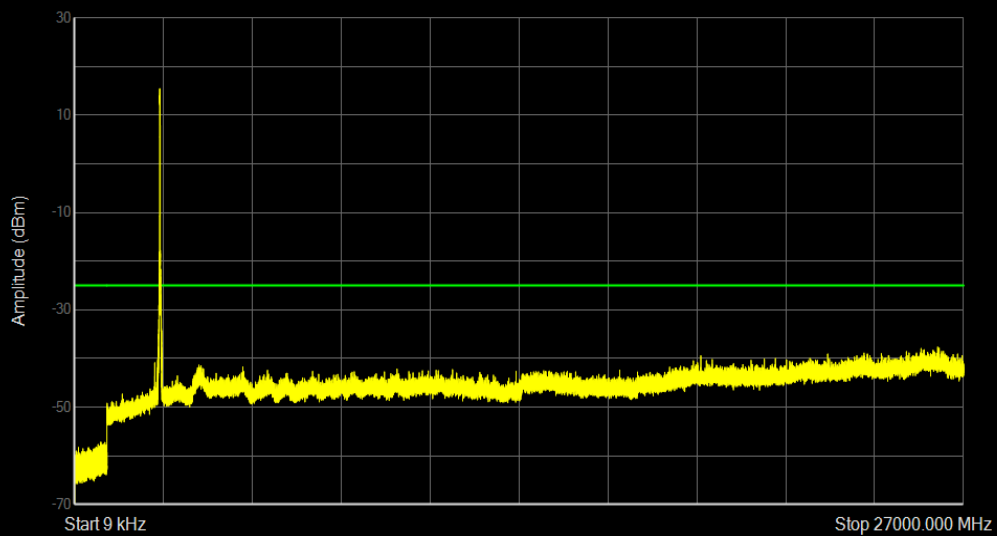
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0



n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@50



n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062844375	-61.64	-25
2	0.15	30	10	0.15	-57.71	-25
3	30	1000	100	820.57425	-57.17	-25
4	1000	27000	1000	26213.5	-37.64	-25